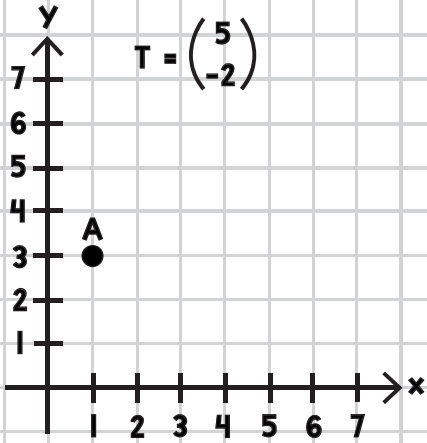
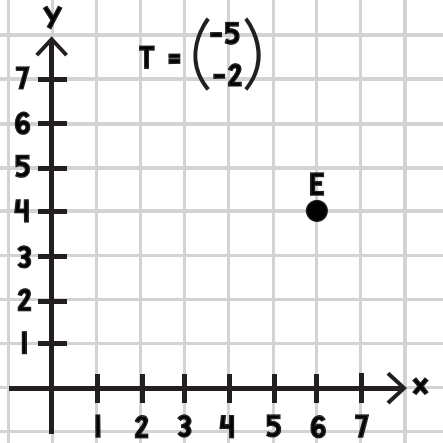


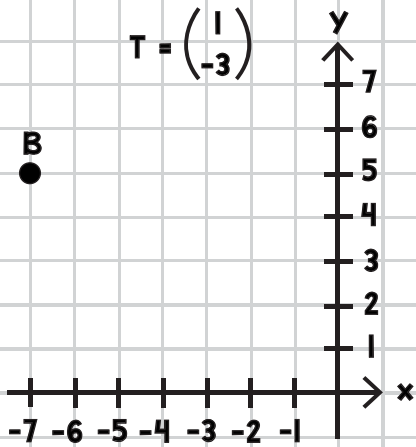
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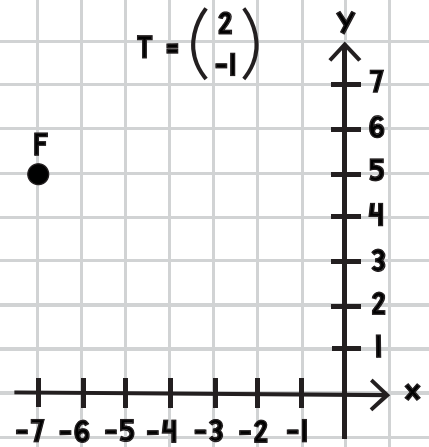
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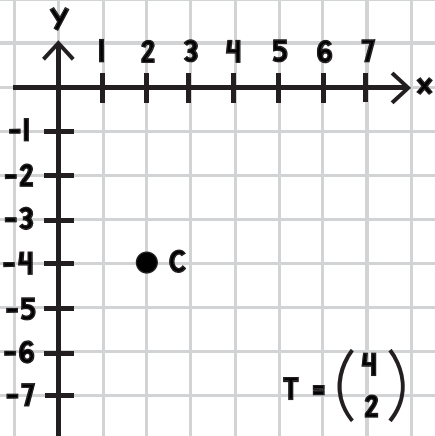
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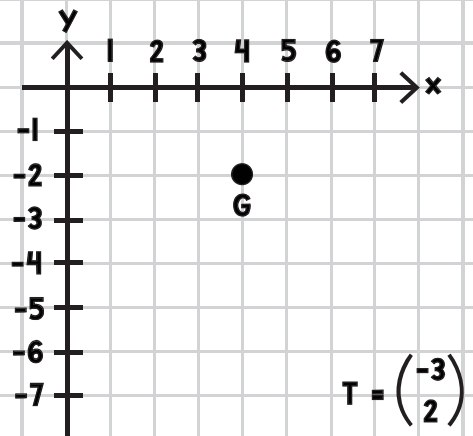
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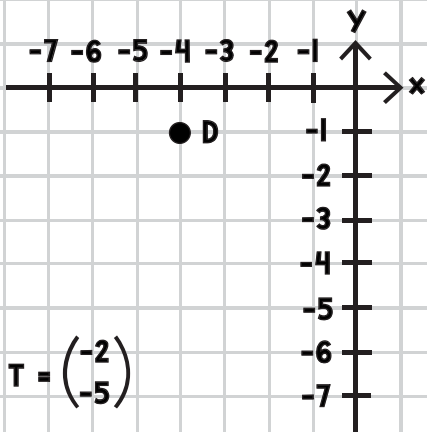
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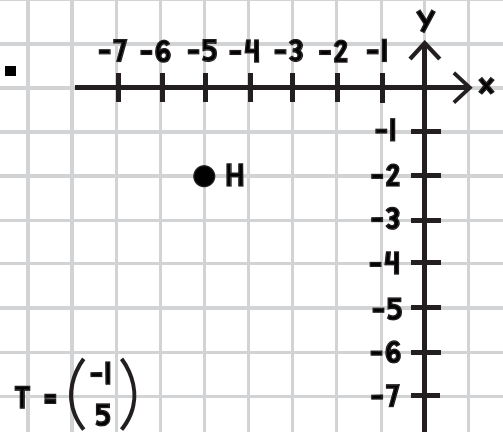
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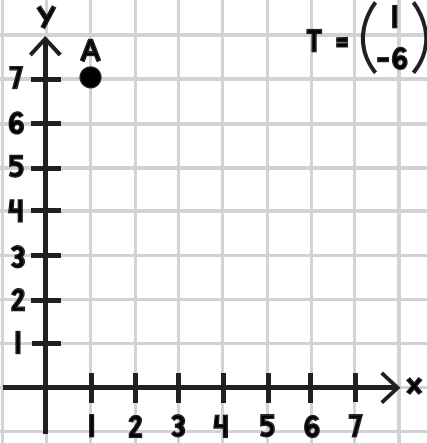
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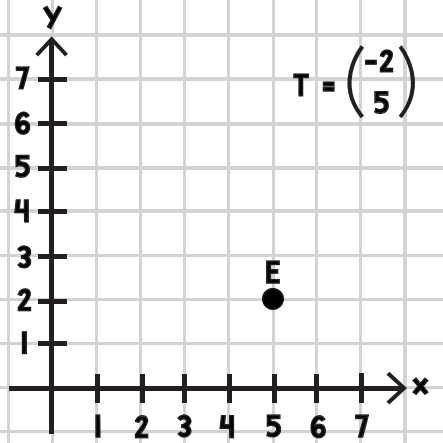
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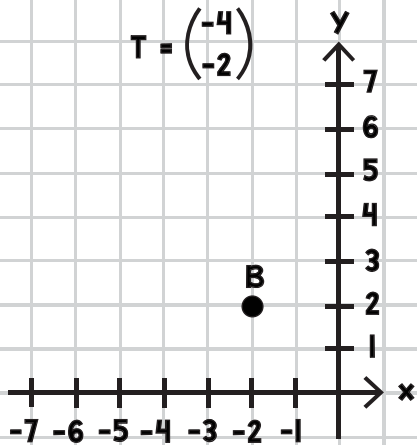
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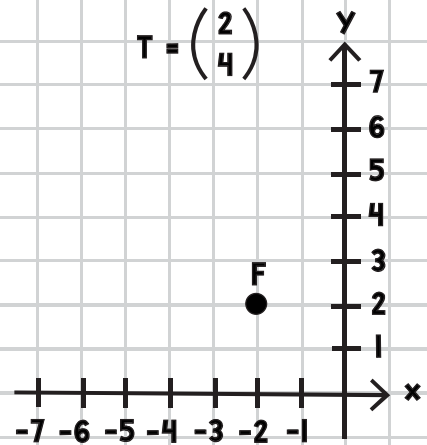
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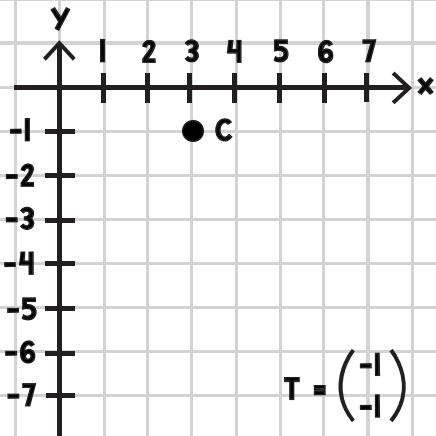
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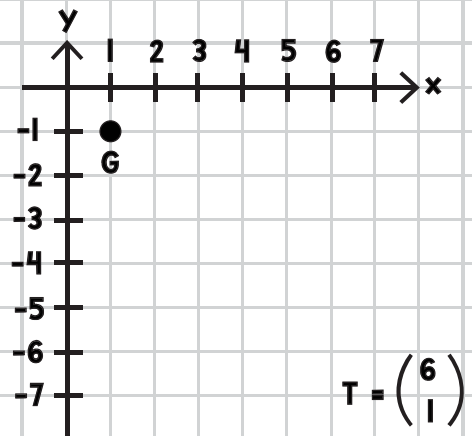
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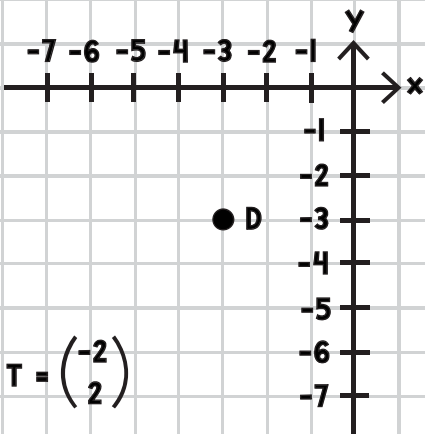
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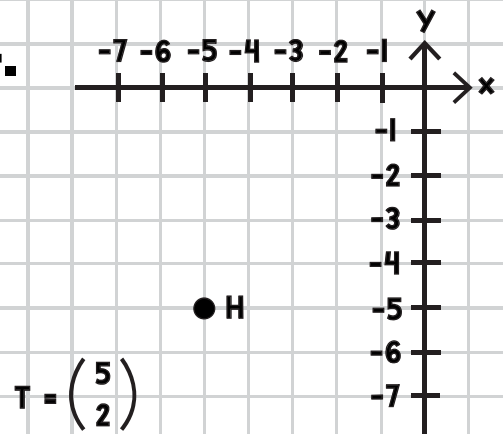
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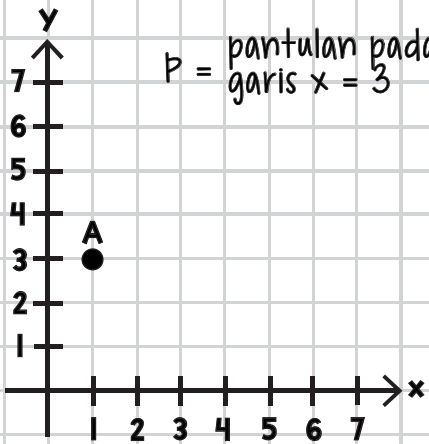
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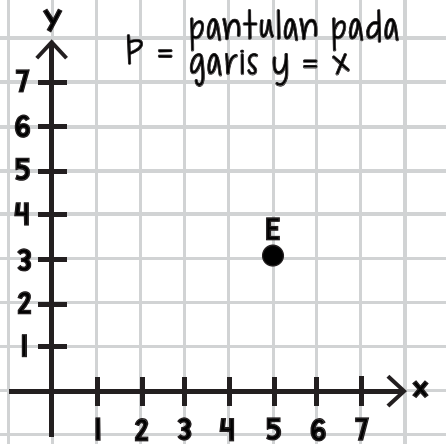
PANTULAN

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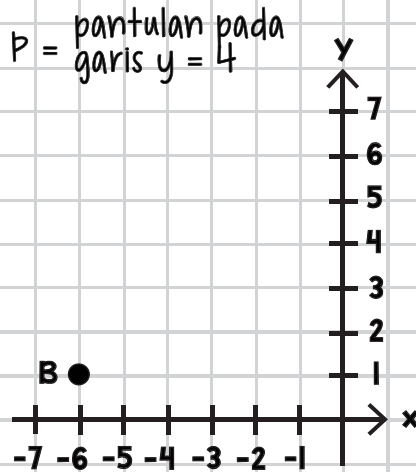
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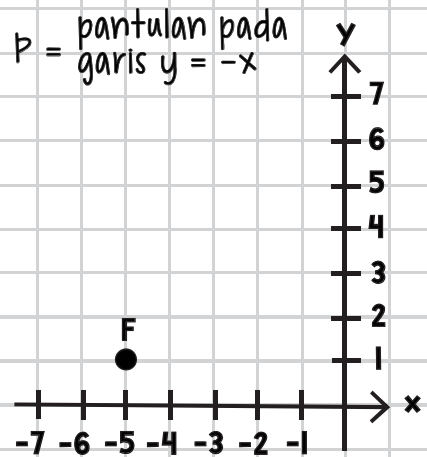
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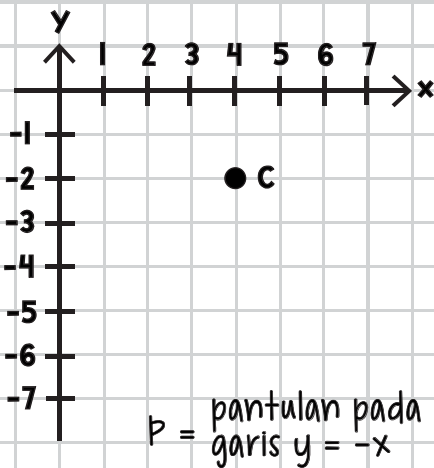
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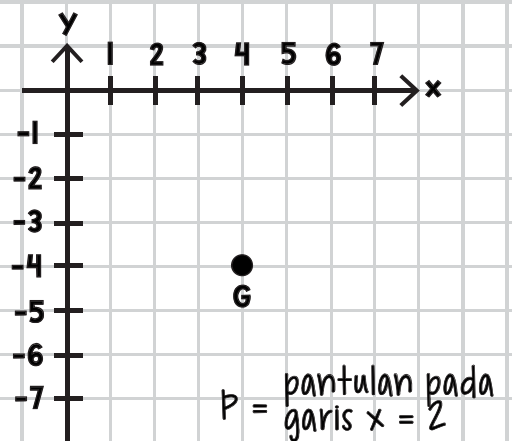
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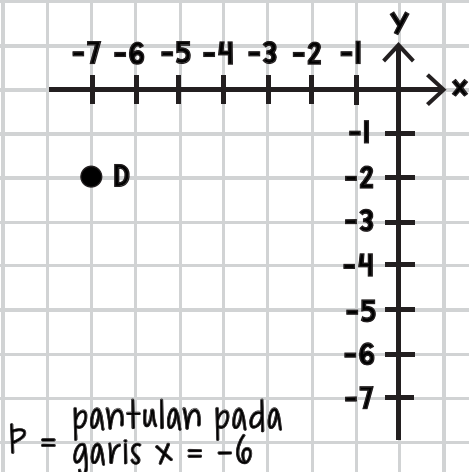
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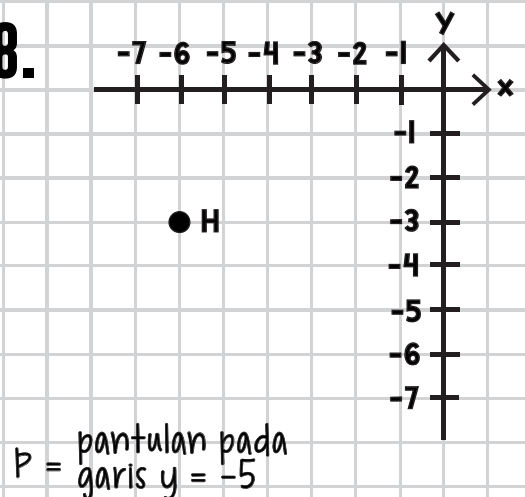
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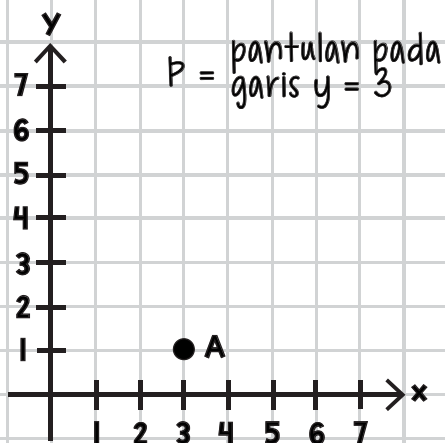
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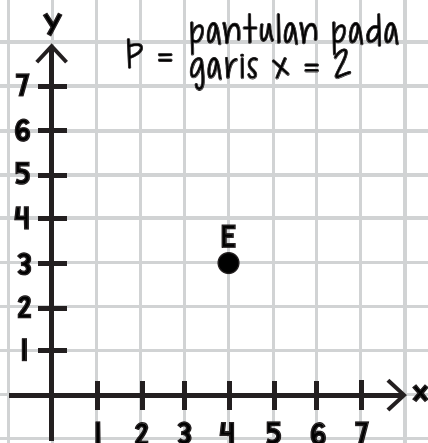
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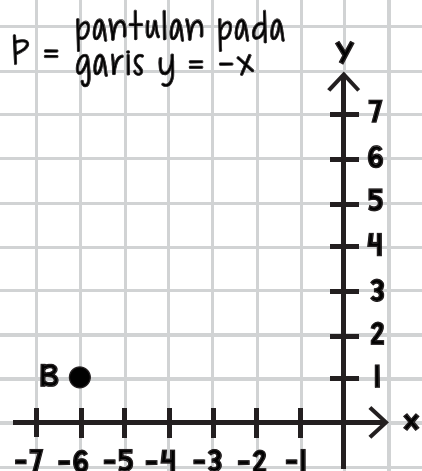
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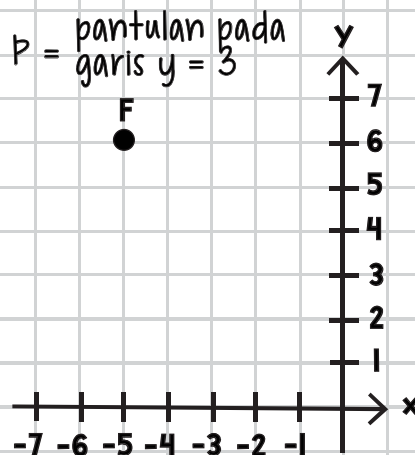
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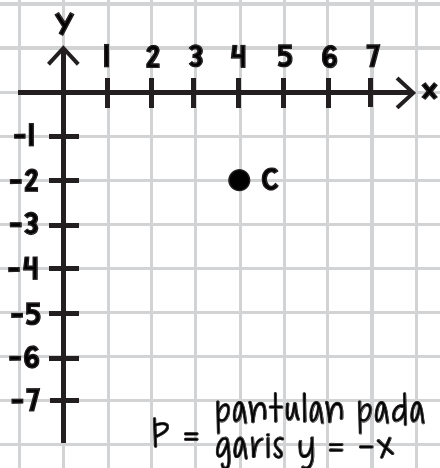
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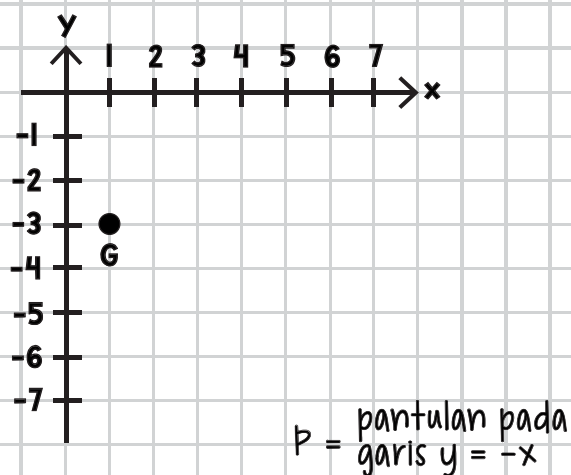
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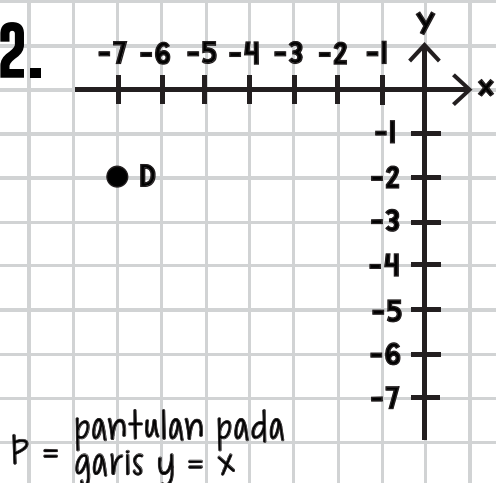
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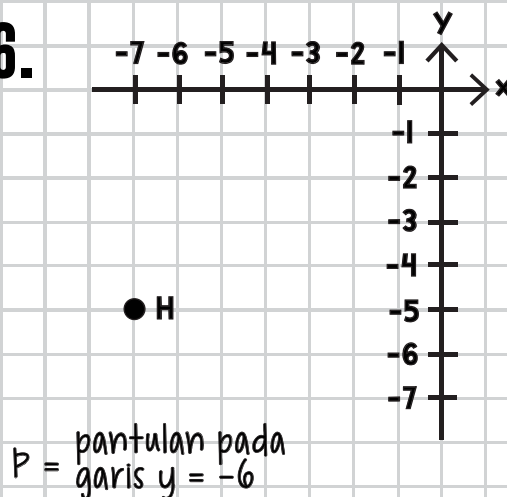
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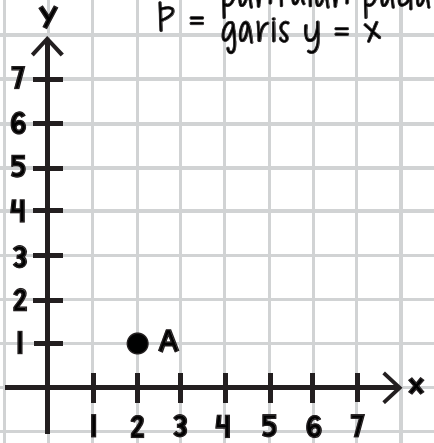
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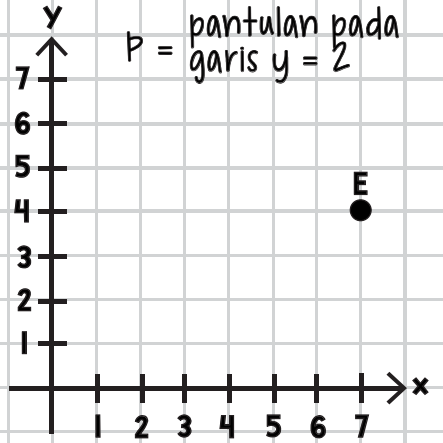
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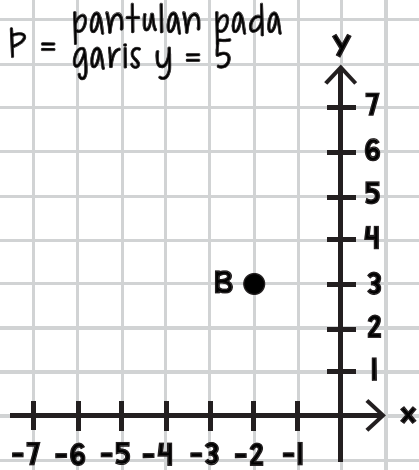
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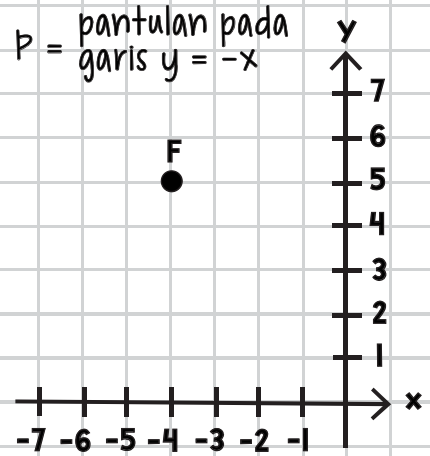
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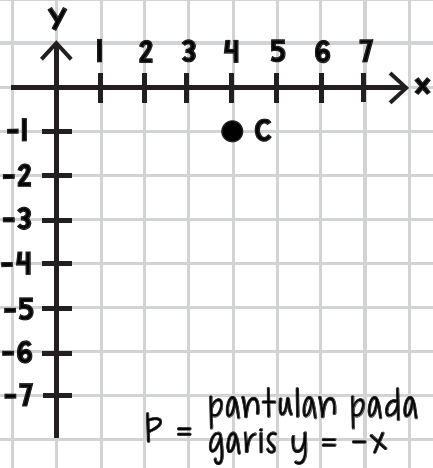
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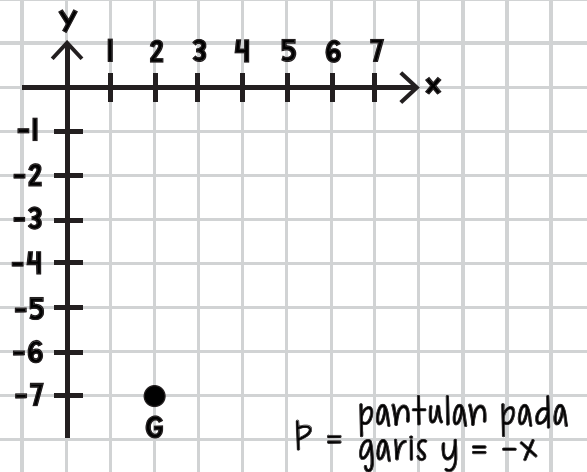
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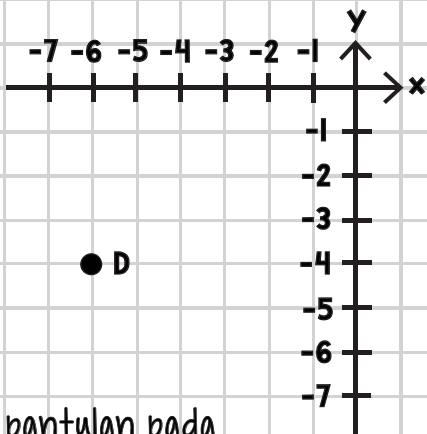
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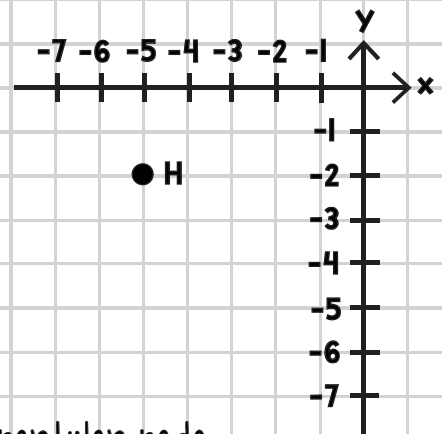


20.



$P = \text{pantulan pada garis } x = -3$

24.

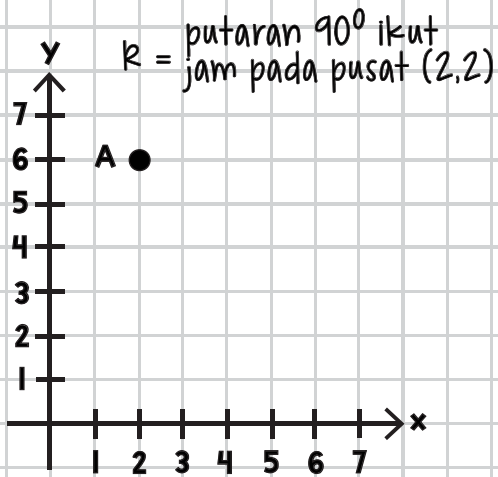


$P = \text{pantulan pada garis } y = x$

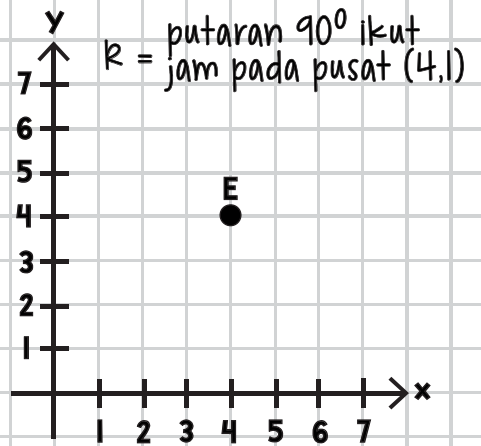
PUTARAN

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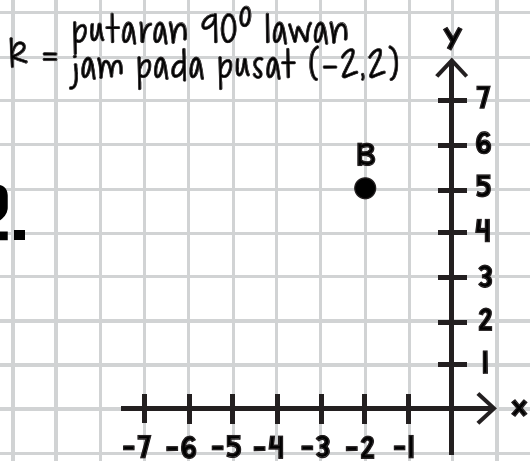
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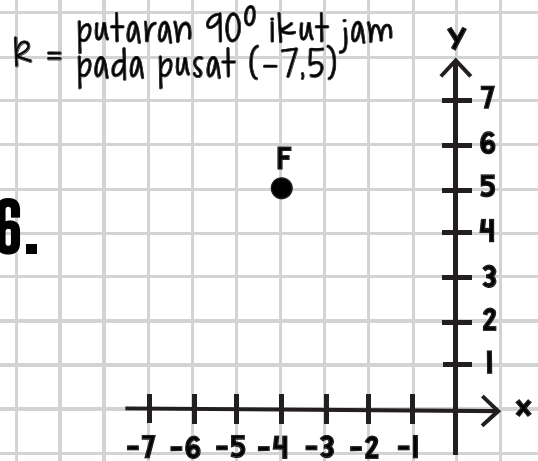
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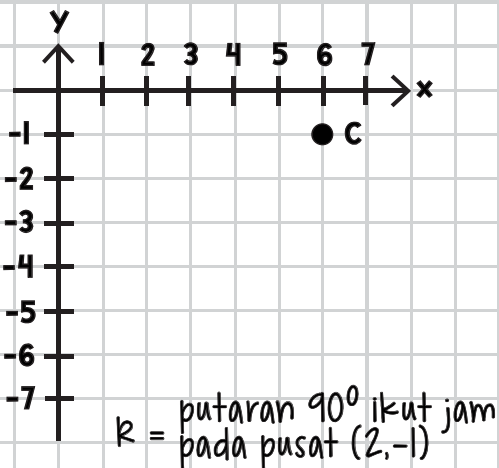
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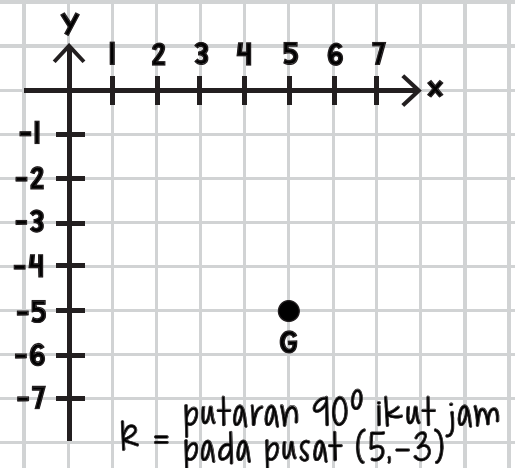
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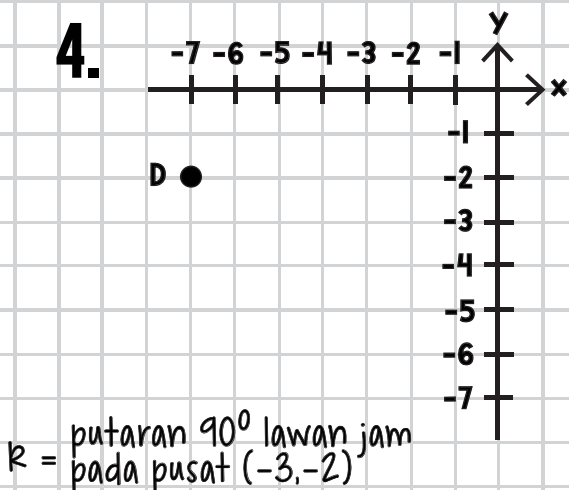
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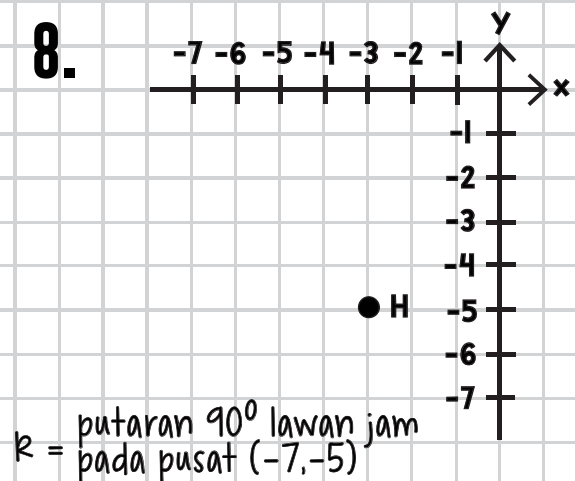
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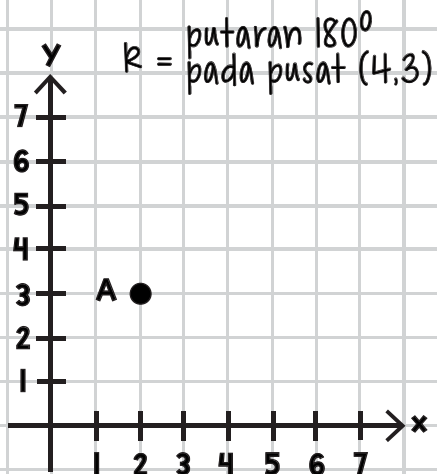
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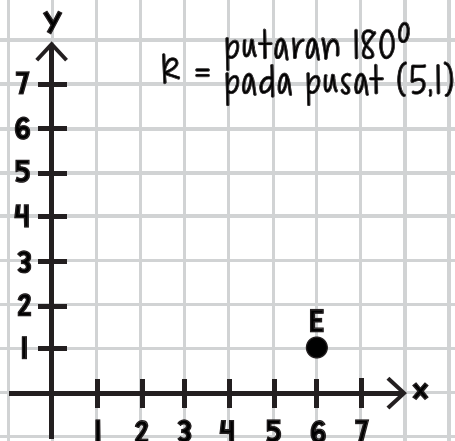
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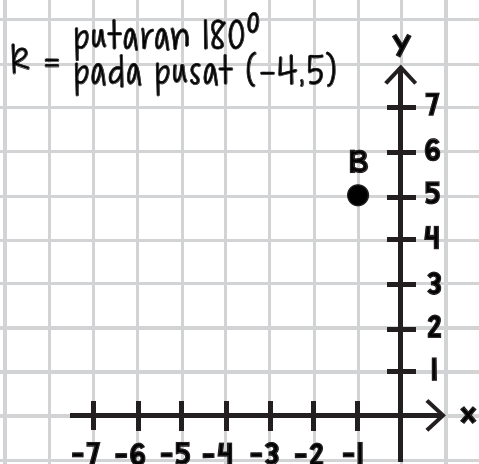
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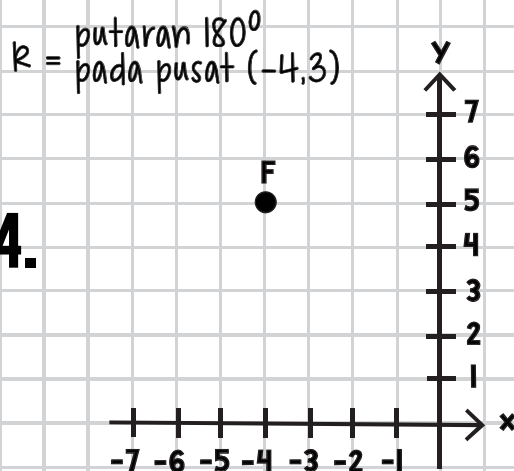
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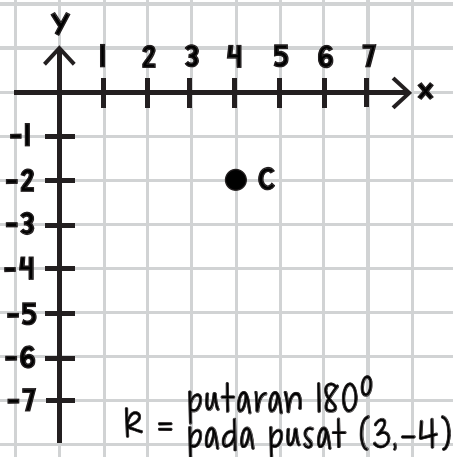
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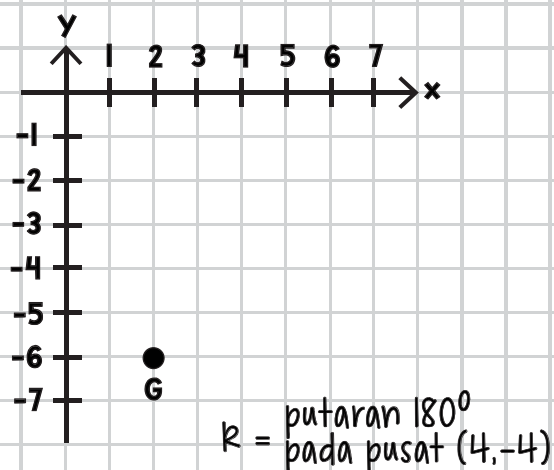
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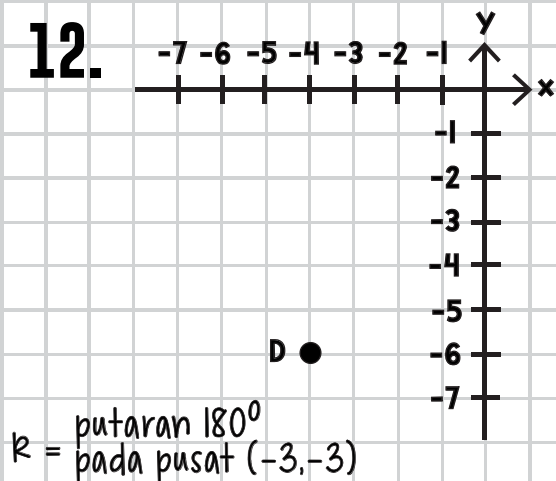
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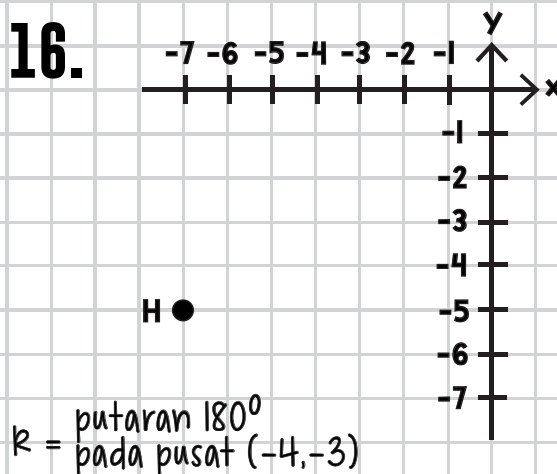
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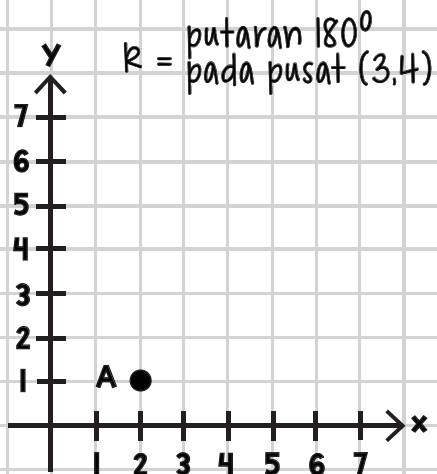


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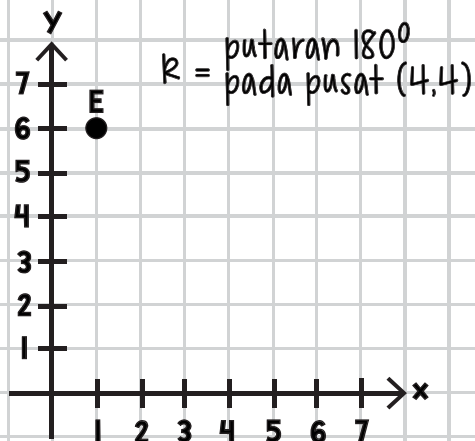


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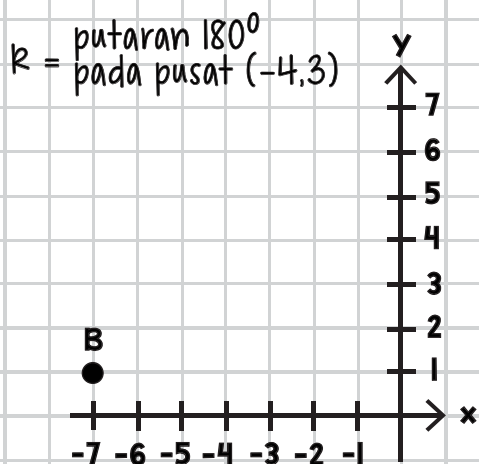
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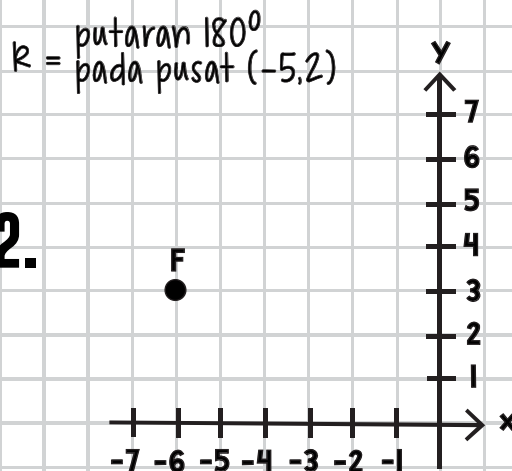
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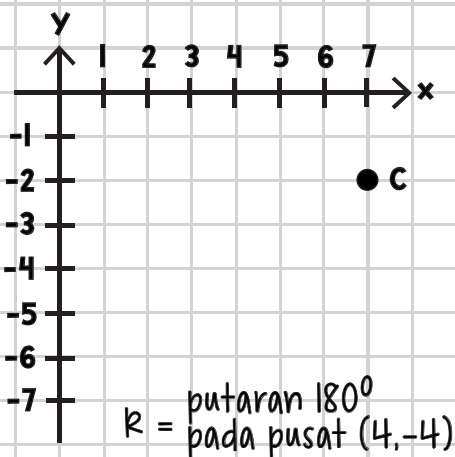
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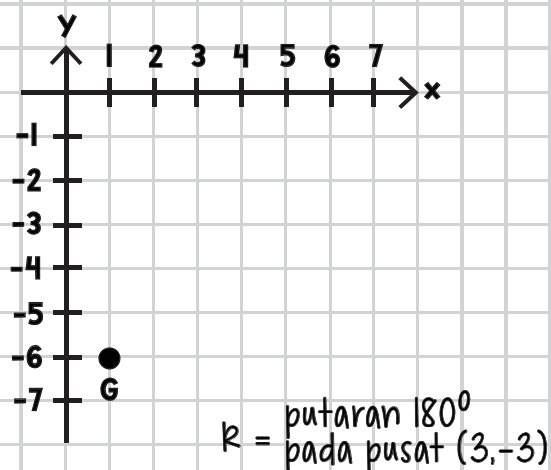
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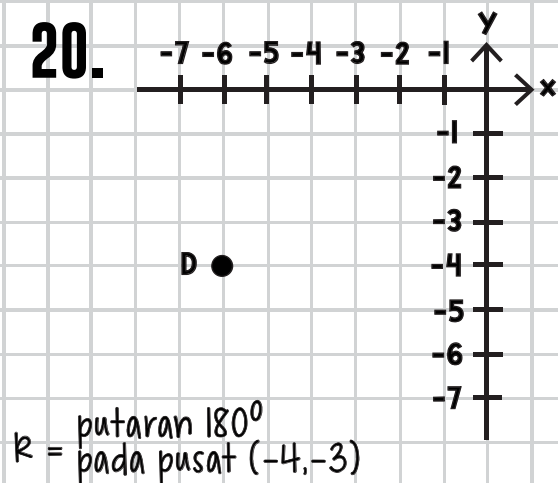
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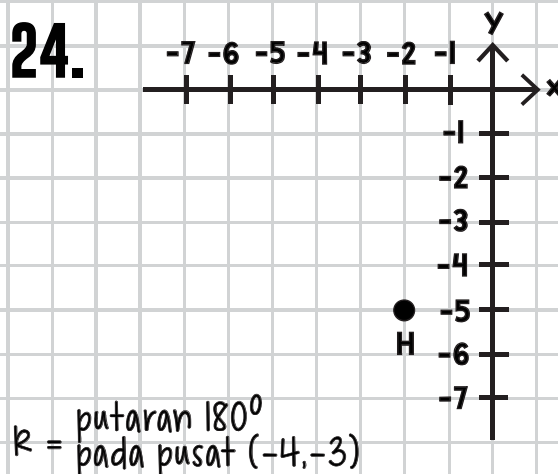
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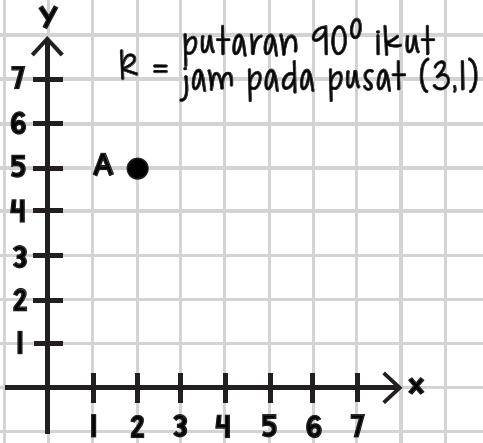
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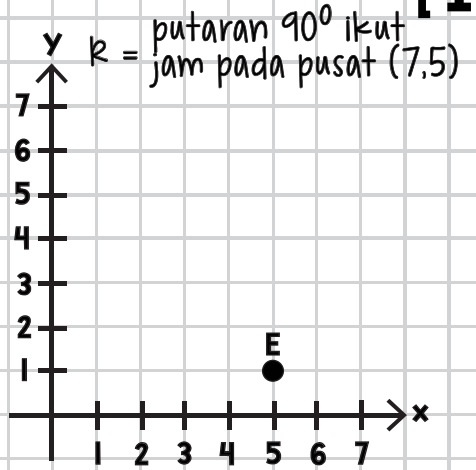
PUTARAN

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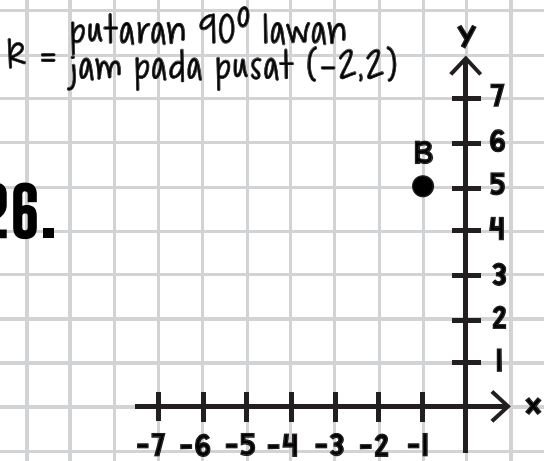
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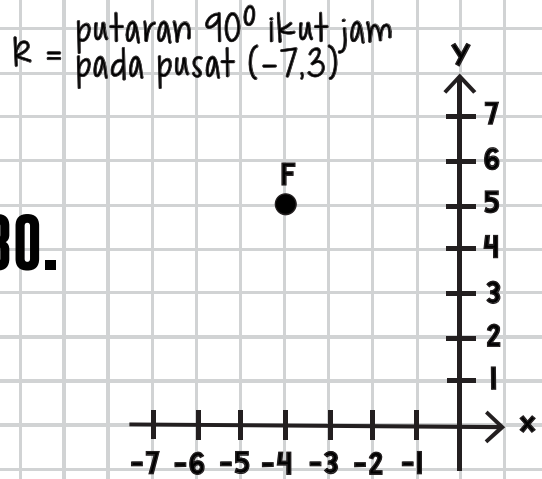
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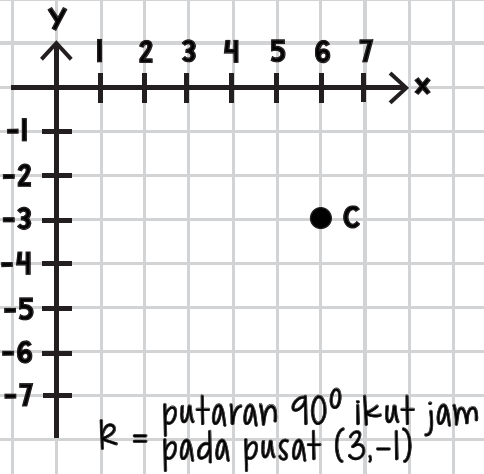
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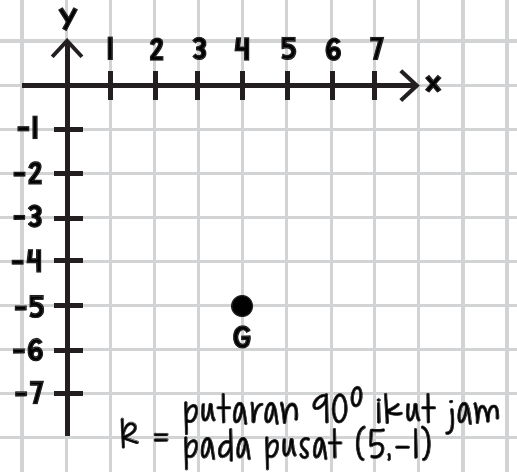
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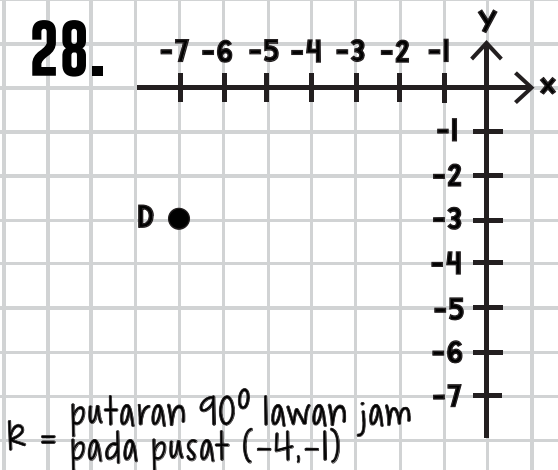
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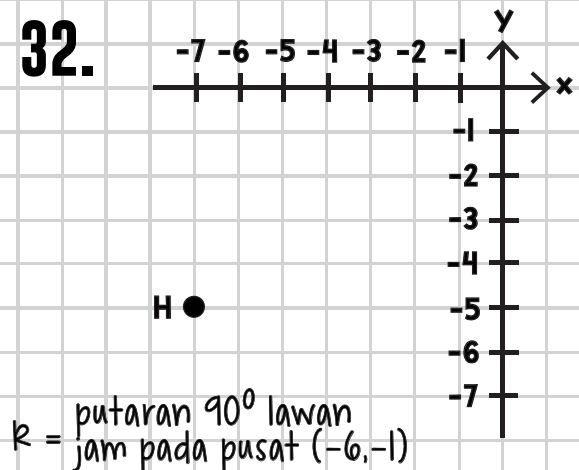
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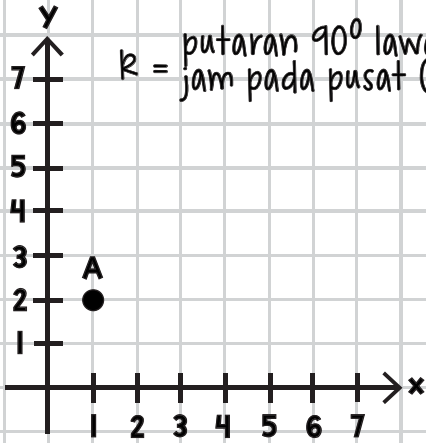
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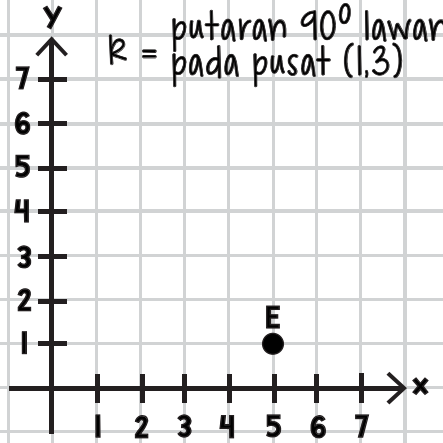


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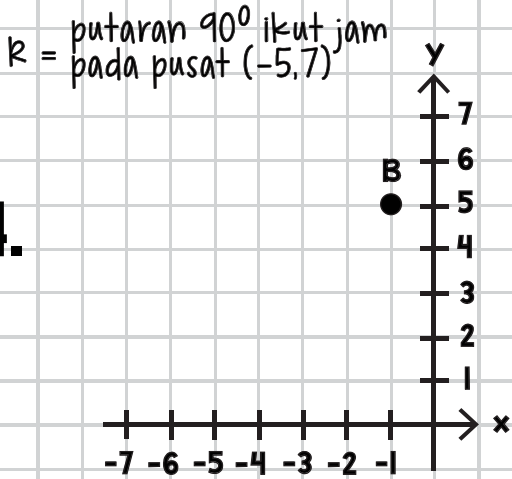
$R =$ putaran 90° lawan jam pada pusat $(2, 6)$

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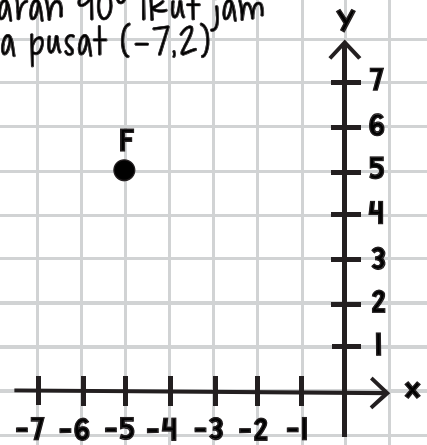
$R =$ putaran 90° lawan jam pada pusat $(1, 3)$

34.



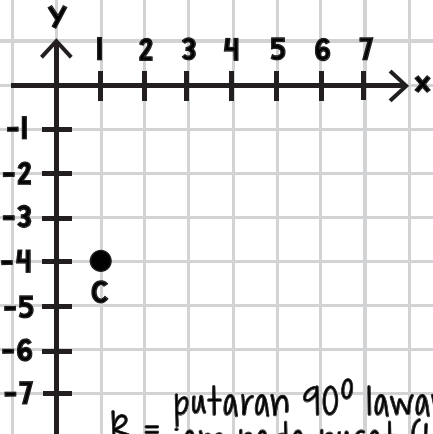
$R =$ putaran 90° ikut jam pada pusat $(-5, 7)$

38.



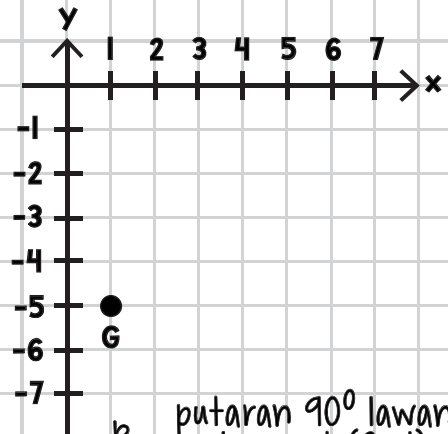
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35.



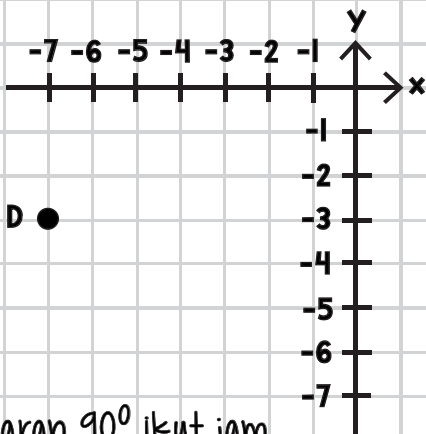
$R =$ putaran 90° lawan jam pada pusat $(4, -1)$

39.



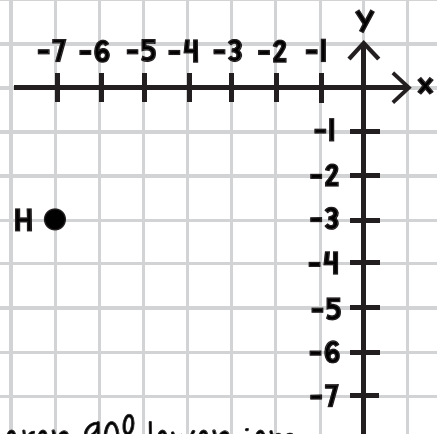
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36.

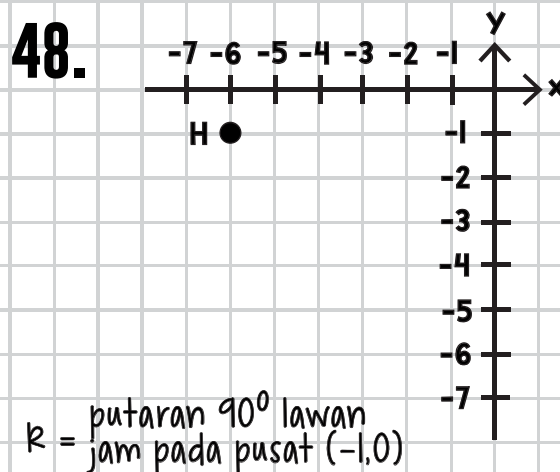
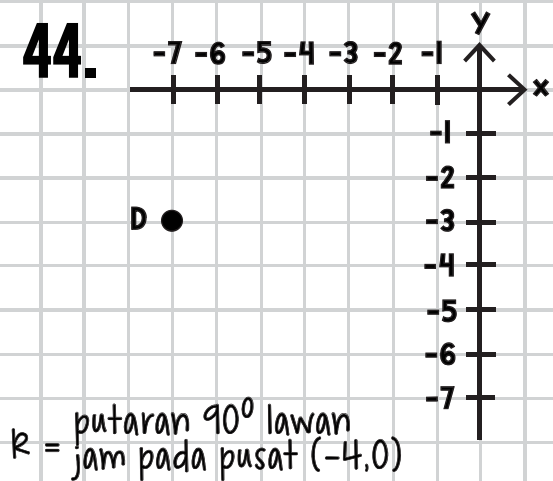
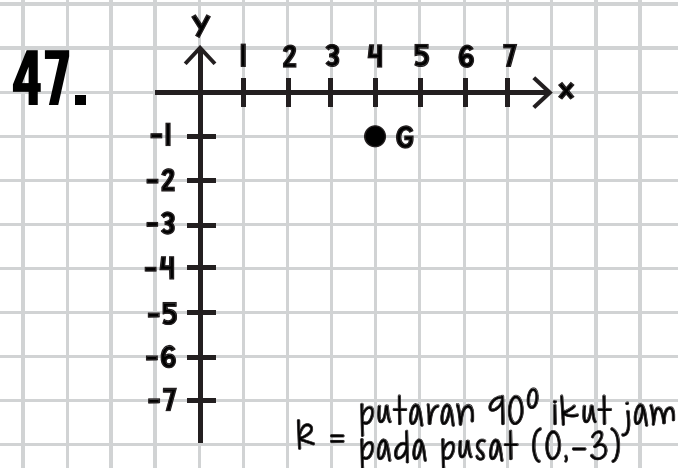
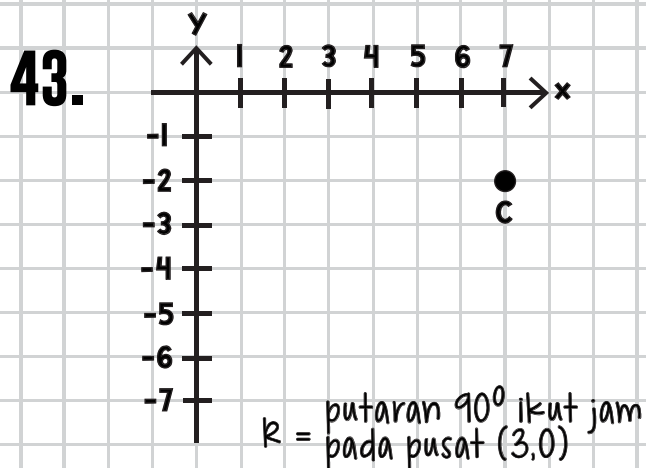
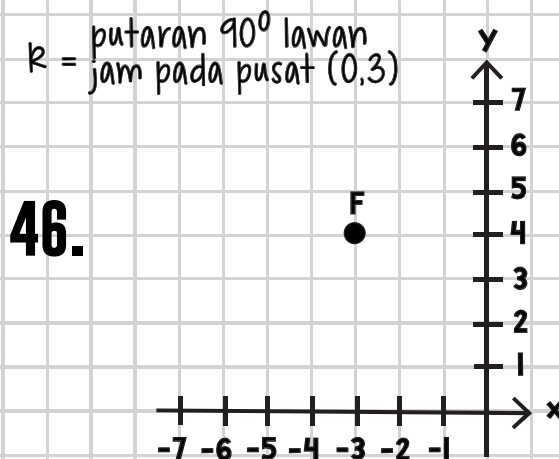
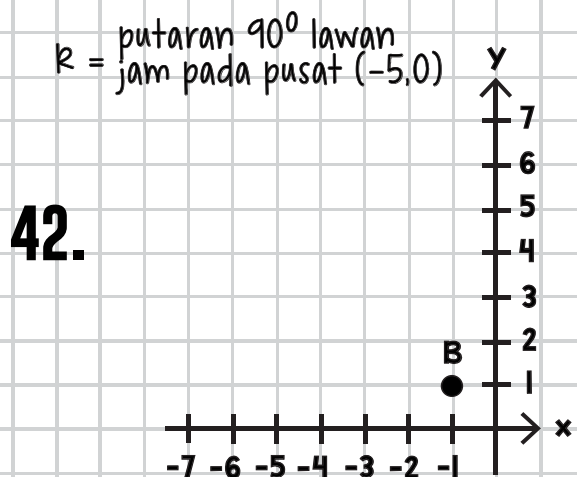
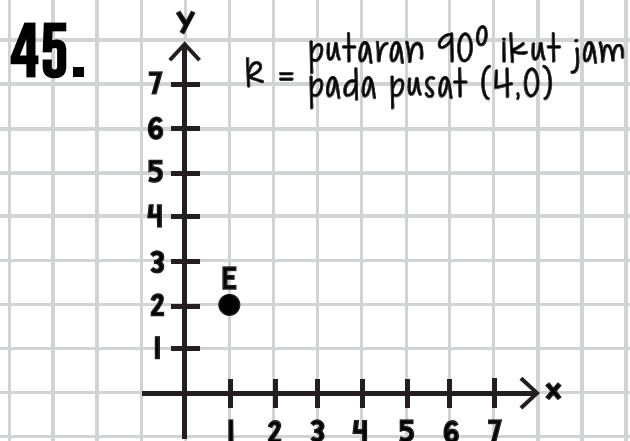
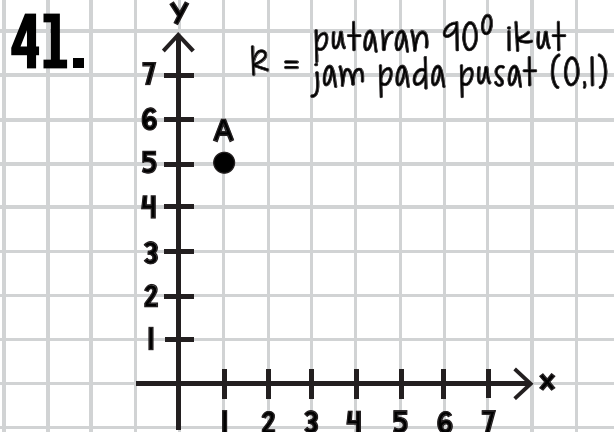


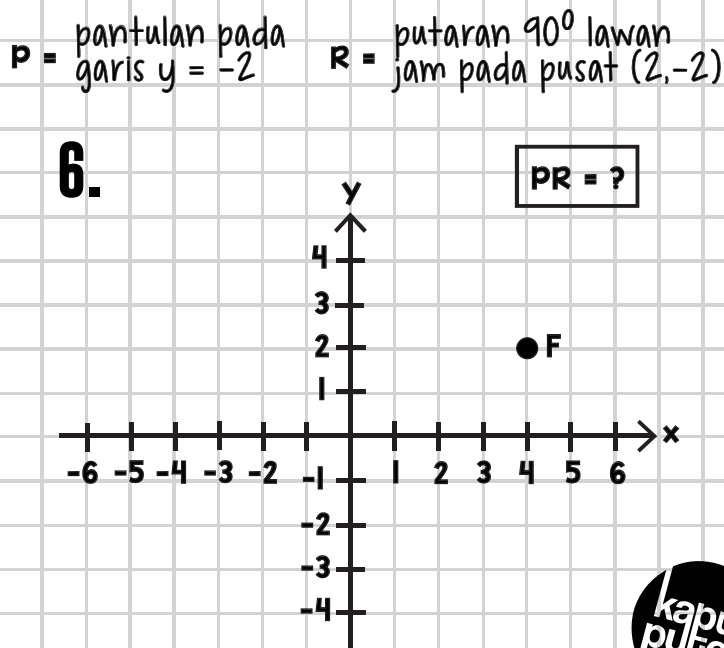
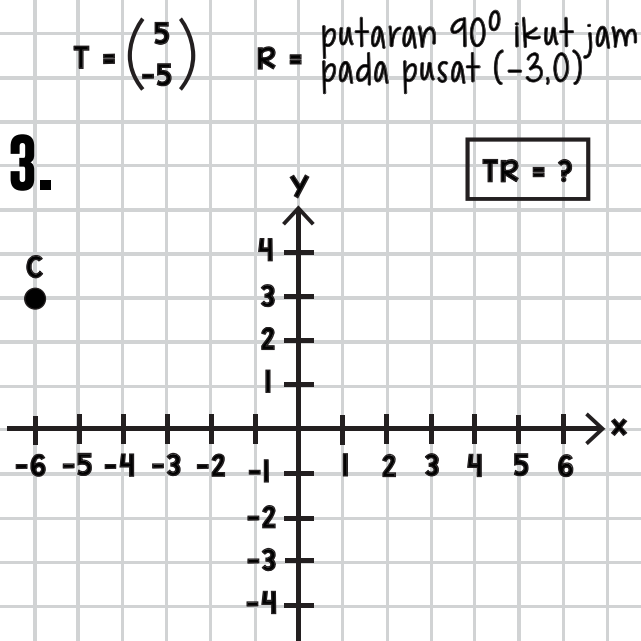
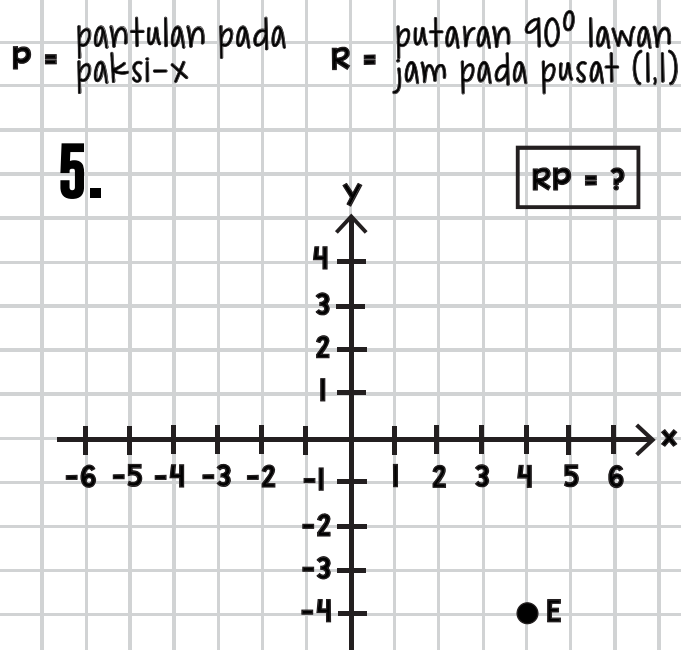
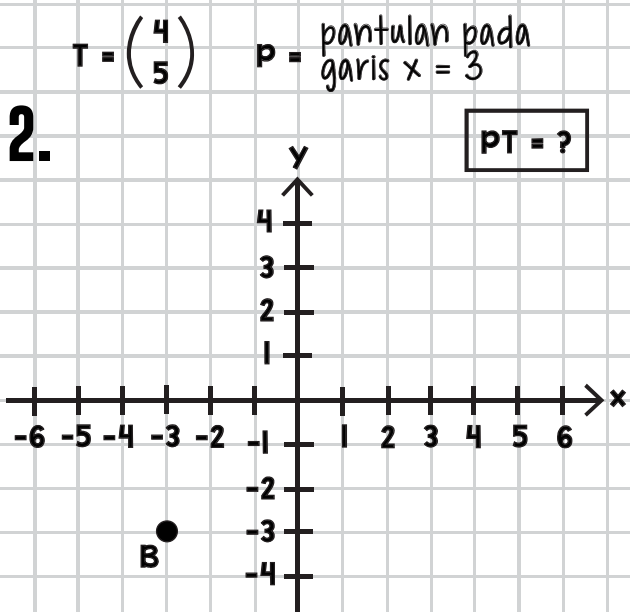
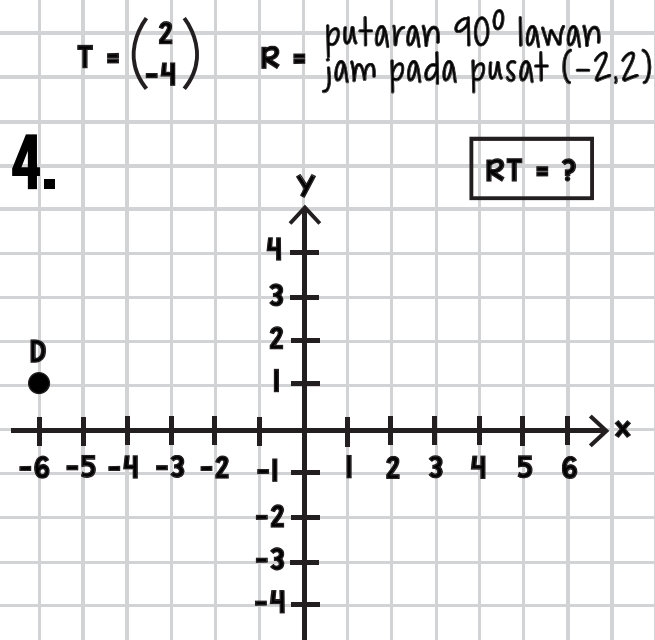
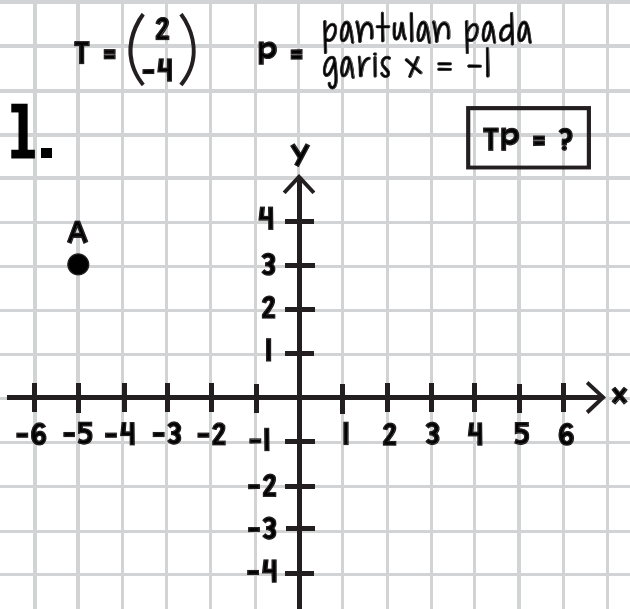
$R =$ putaran 90° ikut jam pada pusat $(-3, -6)$

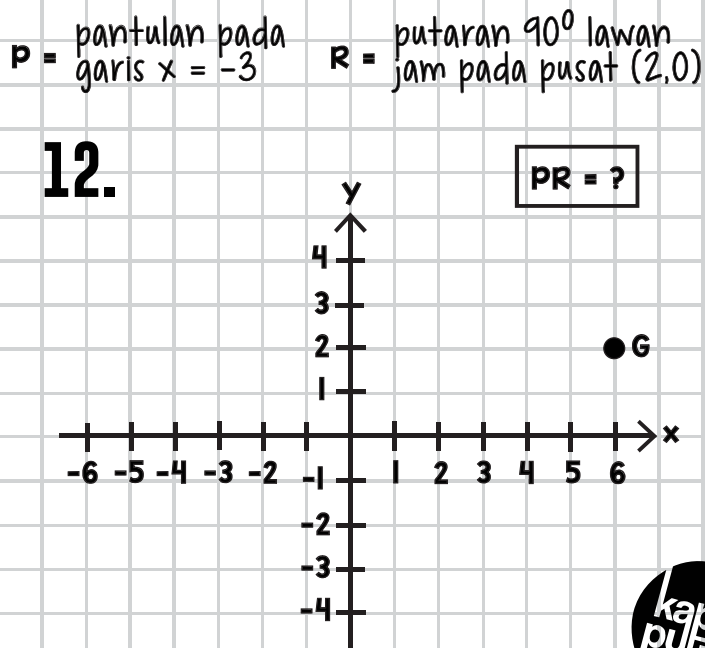
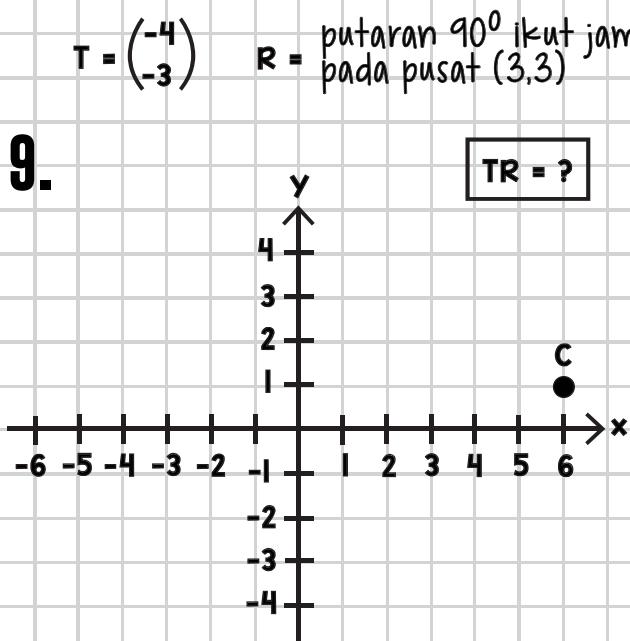
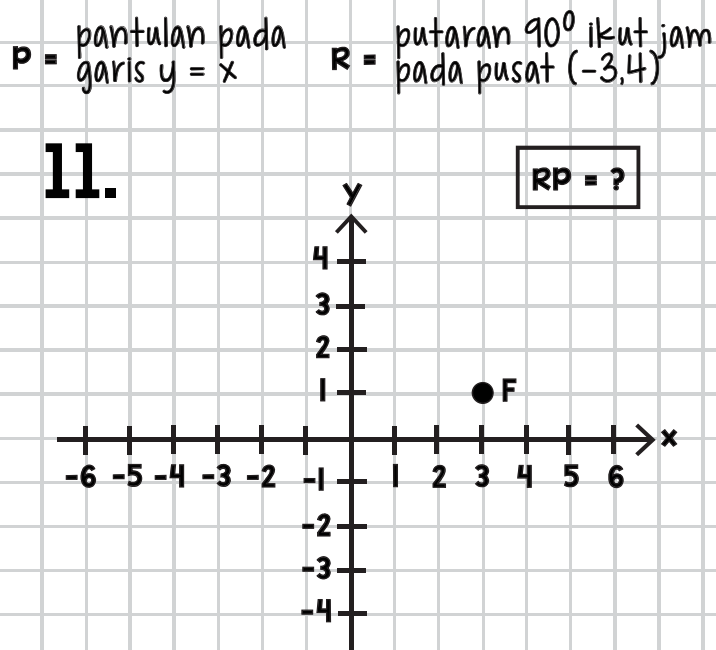
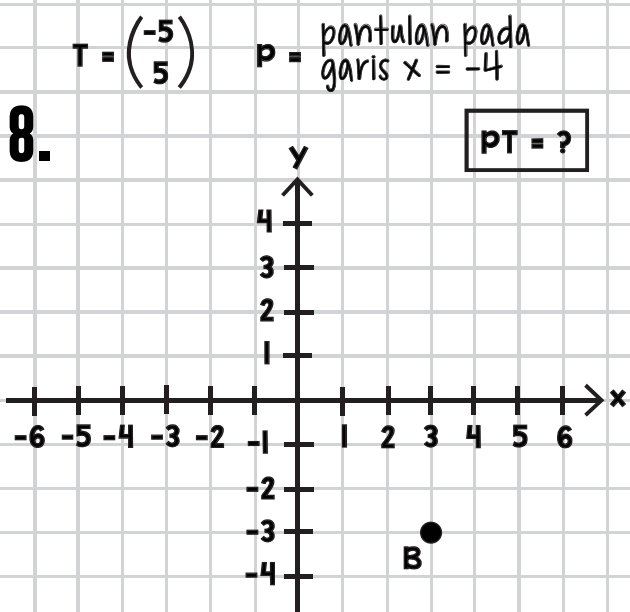
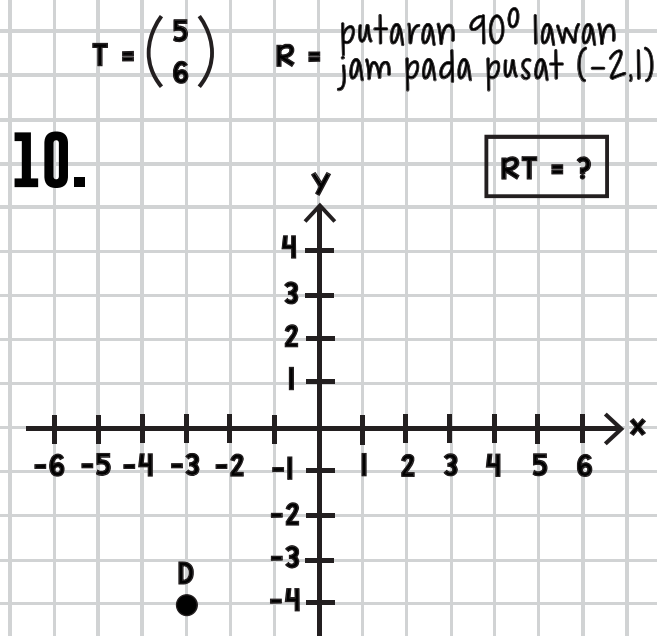
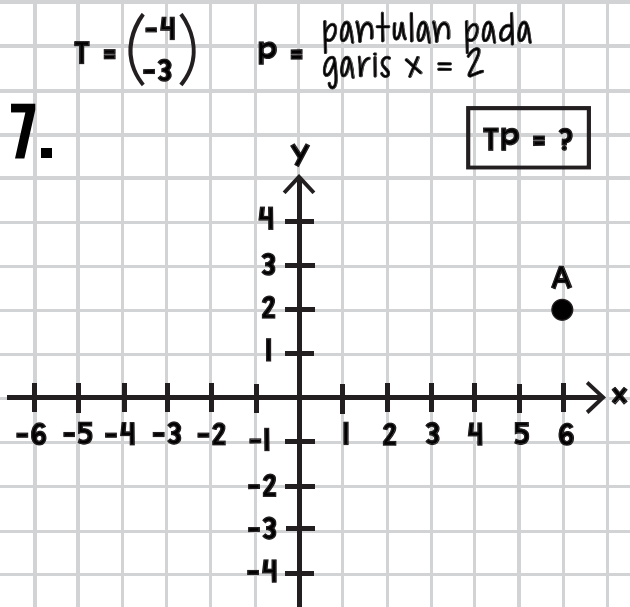
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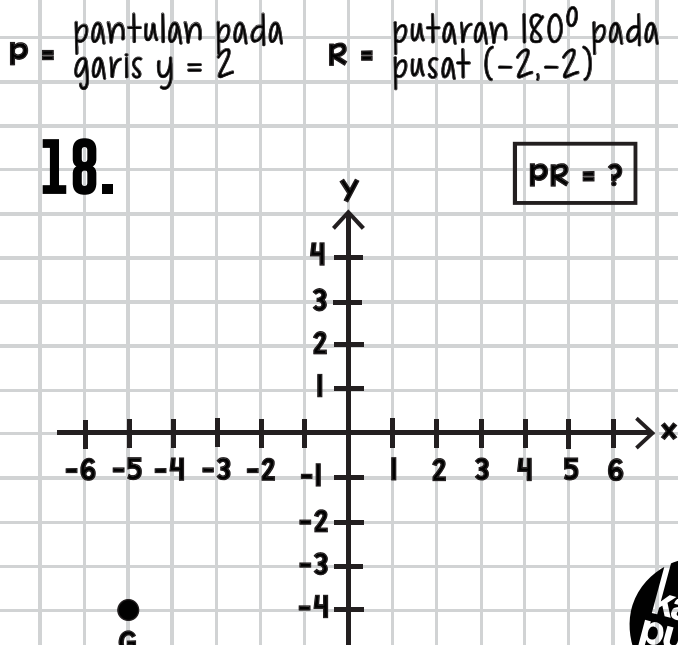
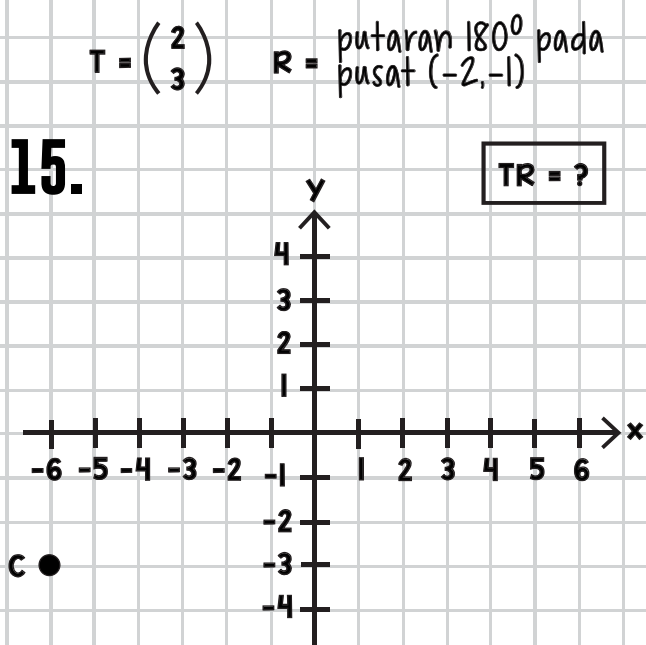
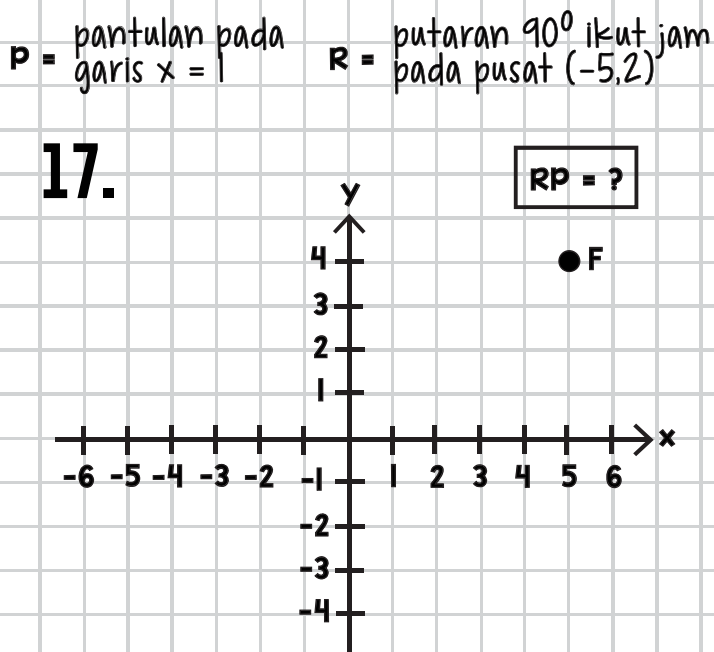
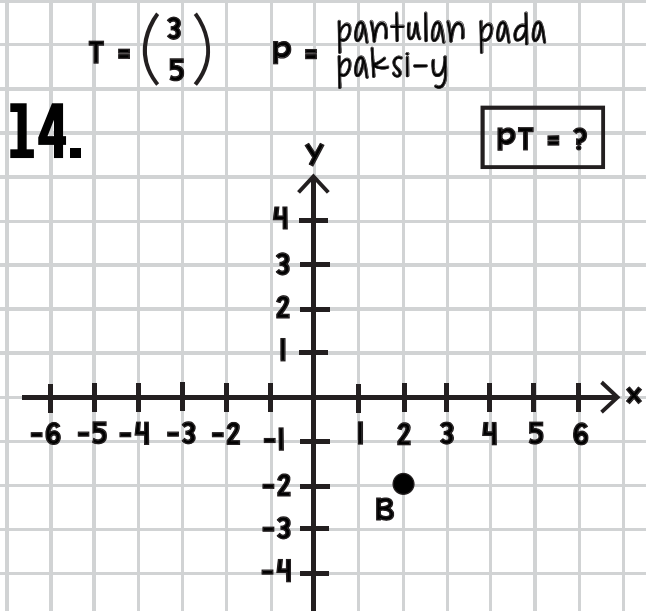
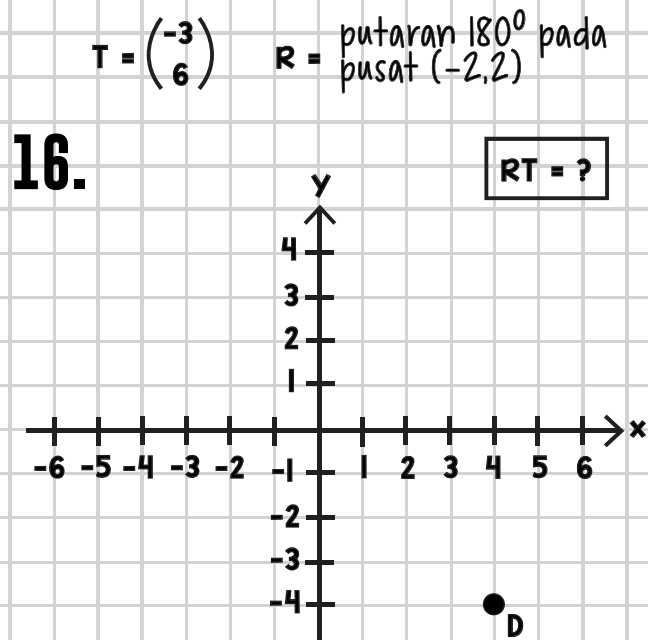
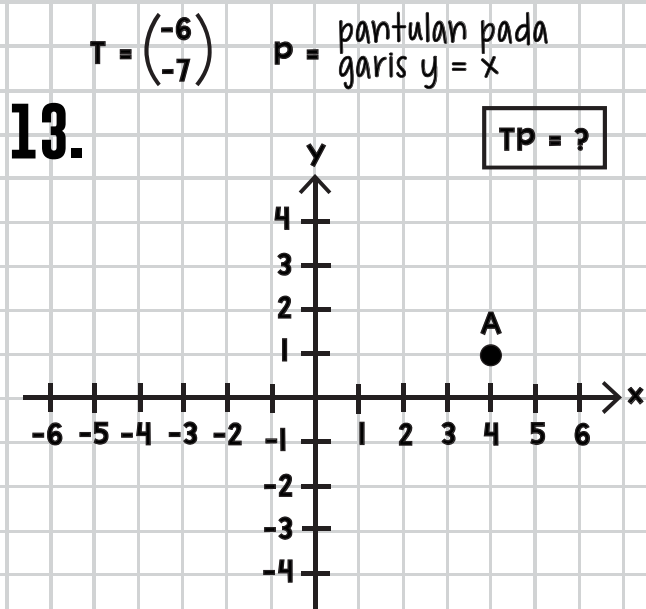


$R =$ putaran 90° lawan jam pada pusat $(-2, -1)$

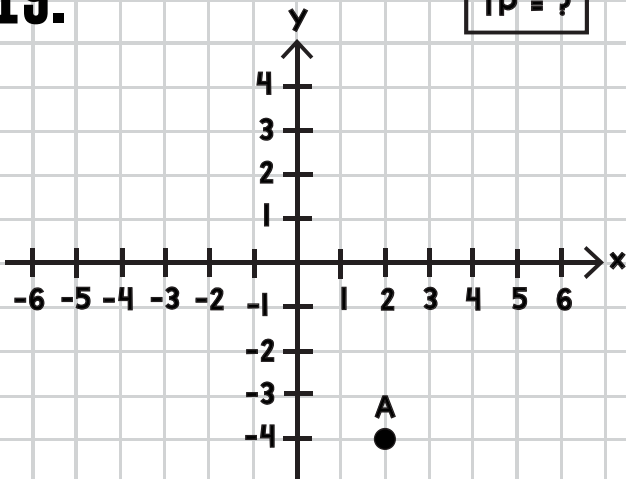




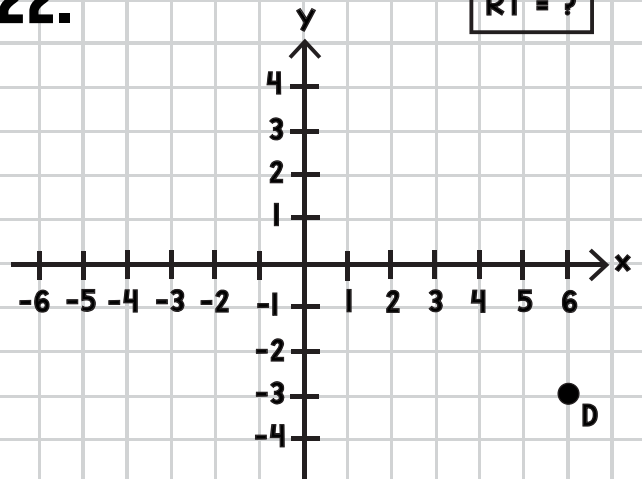




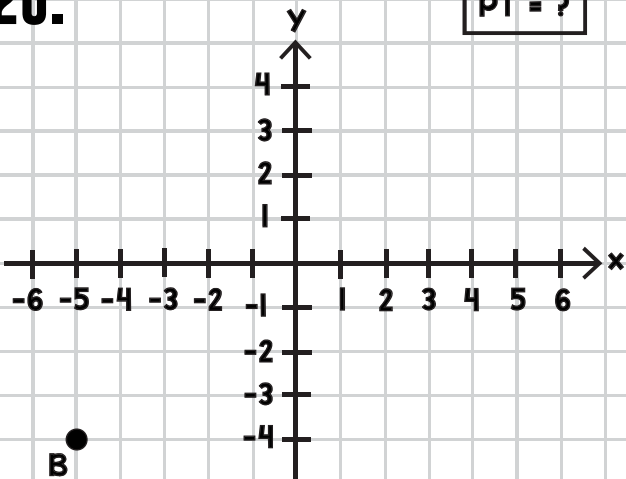
19. $T = \begin{pmatrix} 2 \\ 5 \end{pmatrix}$ $P =$ pantulan pada garis $x = -1$ $TP = ?$



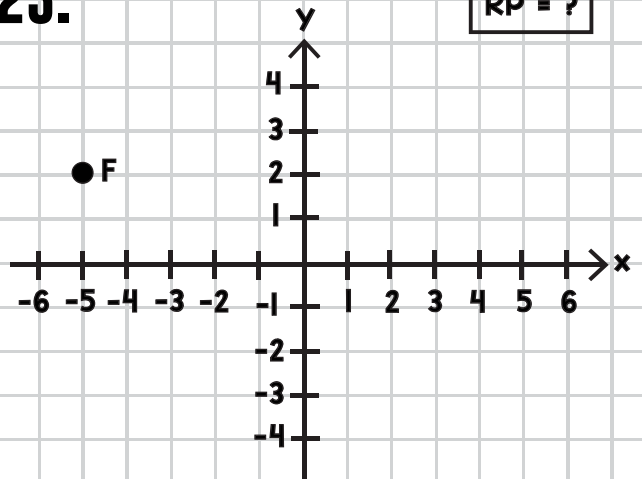
22. $T = \begin{pmatrix} -9 \\ 6 \end{pmatrix}$ $R =$ putaran 180° pada pusat $(0,3)$ $RT = ?$



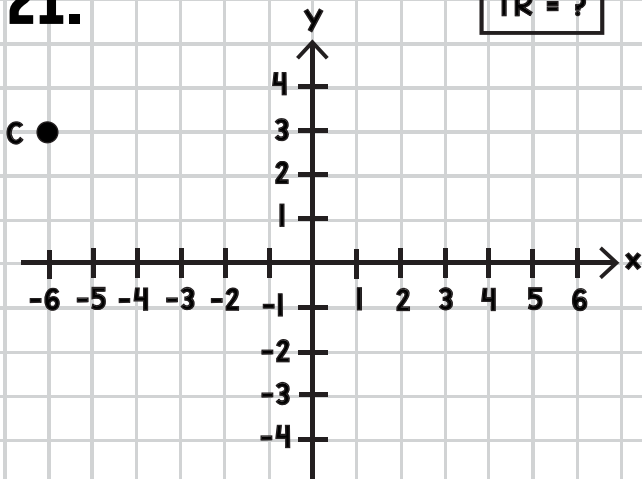
20. $T = \begin{pmatrix} 3 \\ 6 \end{pmatrix}$ $P =$ pantulan pada paksi $x = 2$ $PT = ?$



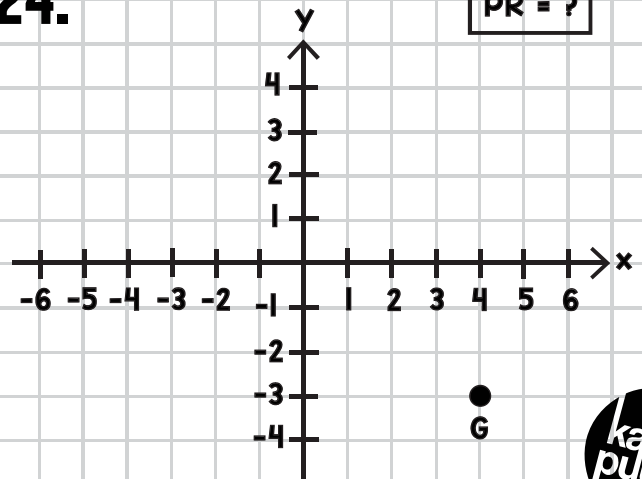
23. $P =$ pantulan pada paksi x $R =$ putaran 90° ikut jam pada pusat $(-1,0)$ $RP = ?$



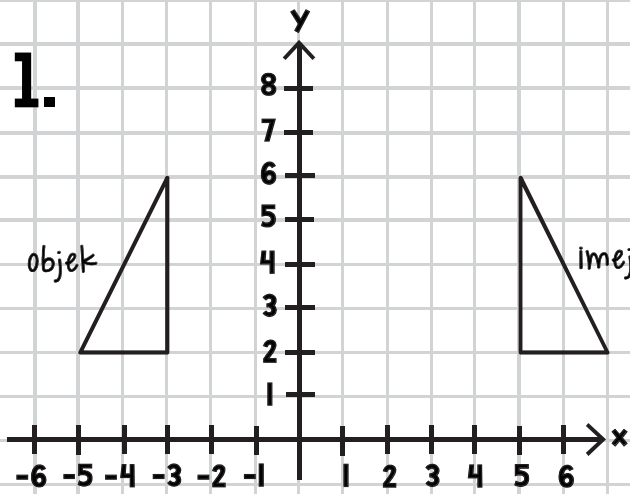
21. $T = \begin{pmatrix} 5 \\ -4 \end{pmatrix}$ $R =$ putaran 90° ikut jam pada pusat $(-4,0)$ $TR = ?$



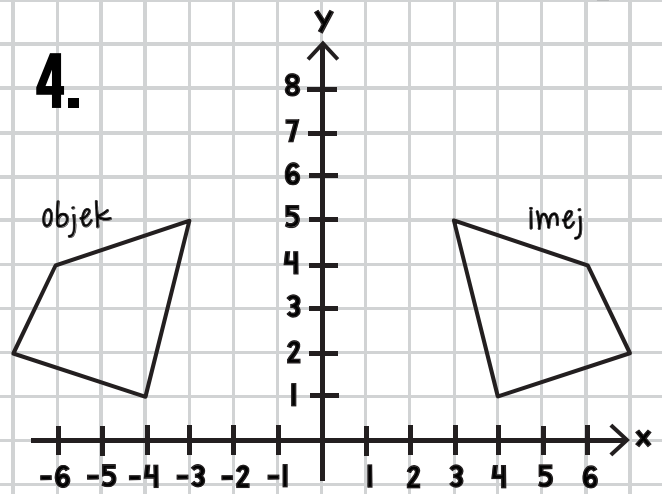
24. $P =$ pantulan pada garis $x = -2$ $R =$ putaran 90° lawan jam pada pusat $(0,-1)$ $PR = ?$



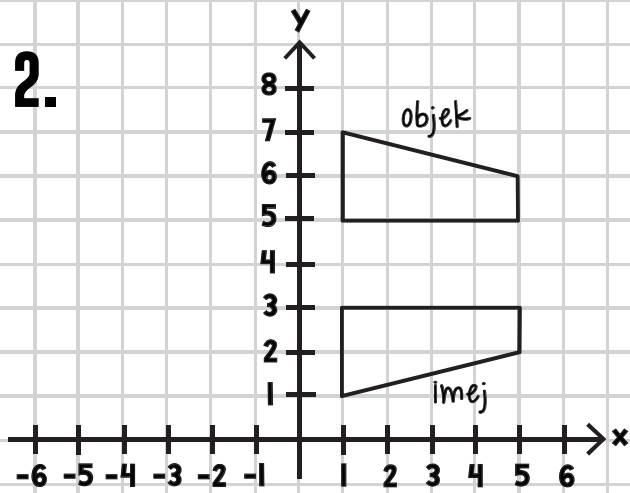
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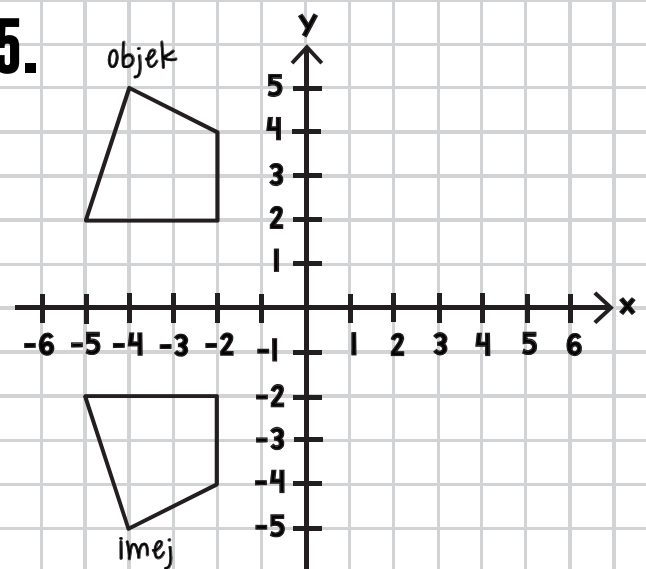
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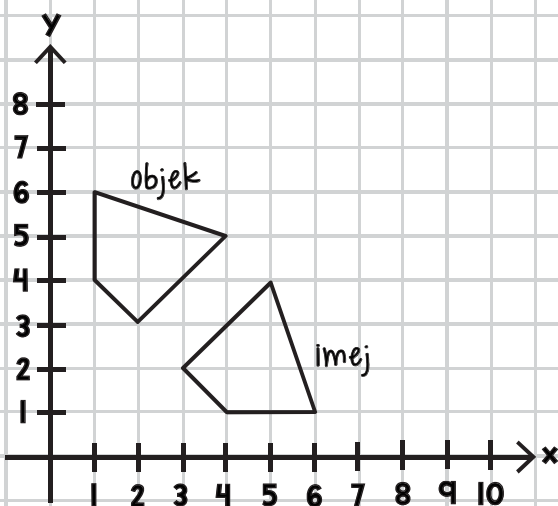
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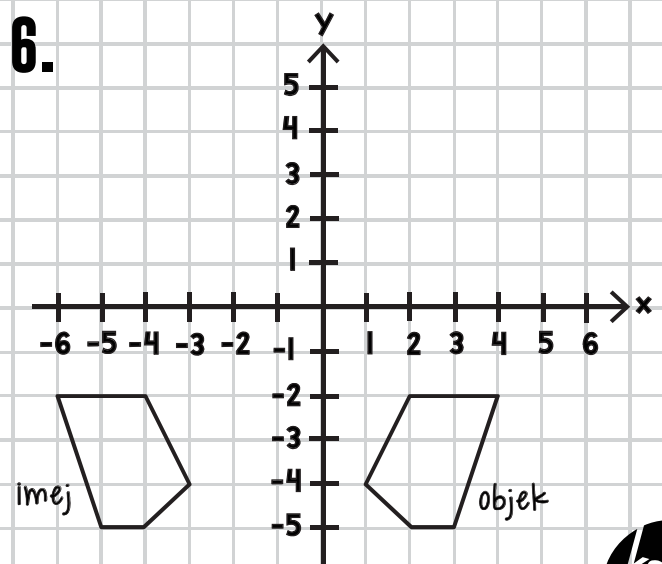
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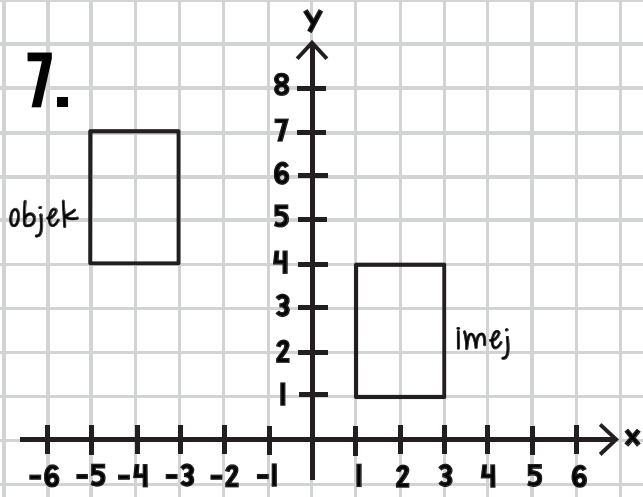
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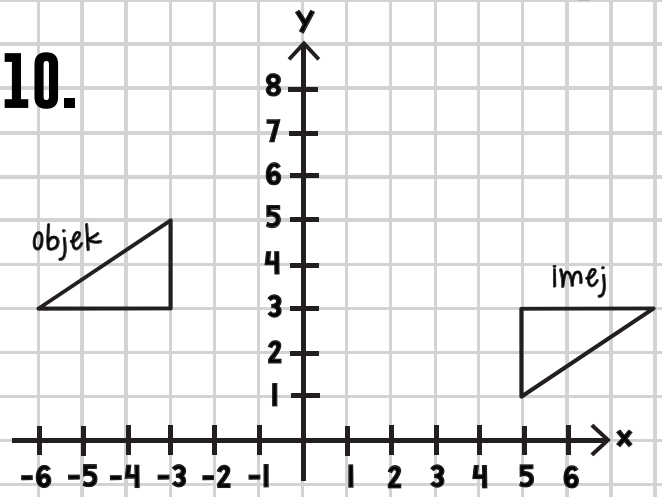
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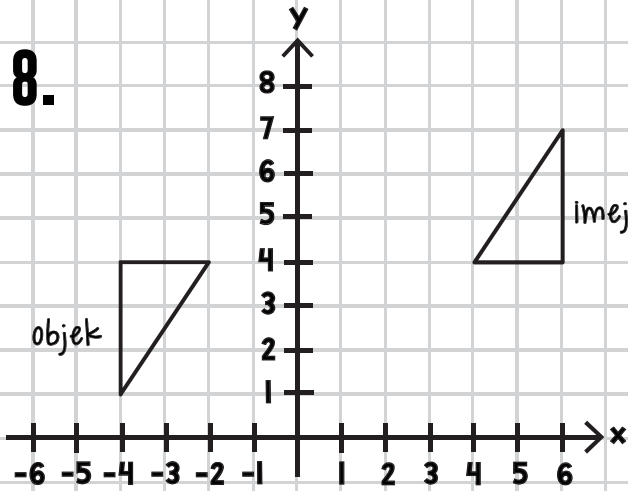
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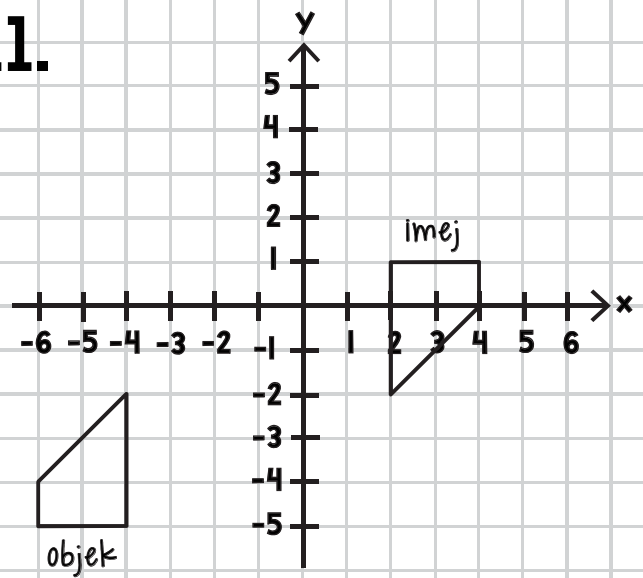
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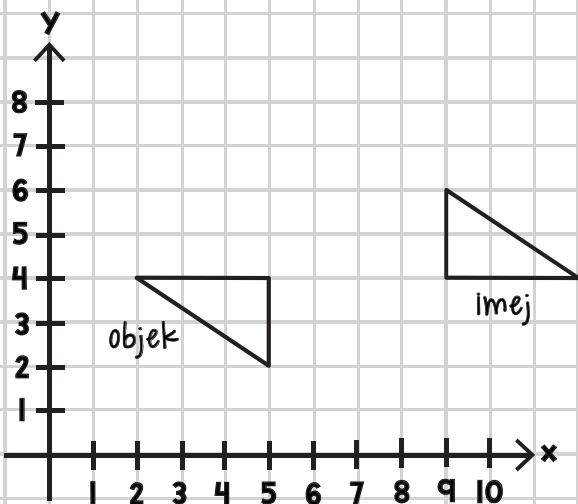
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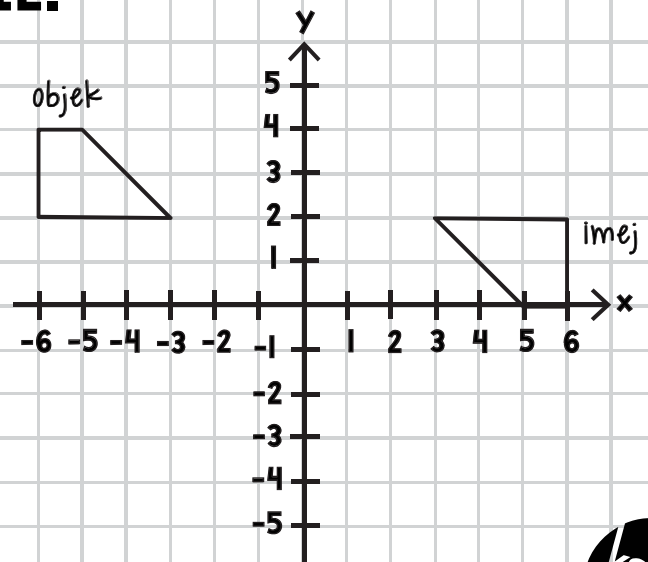
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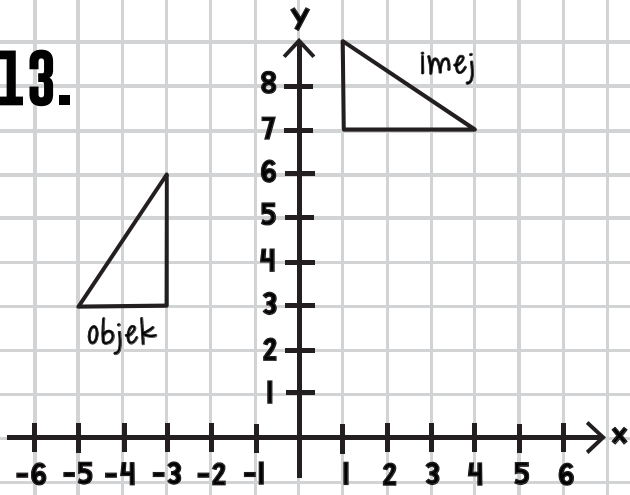
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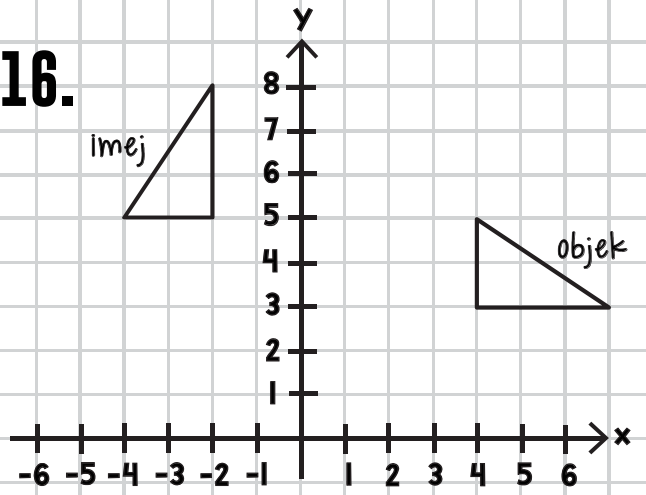
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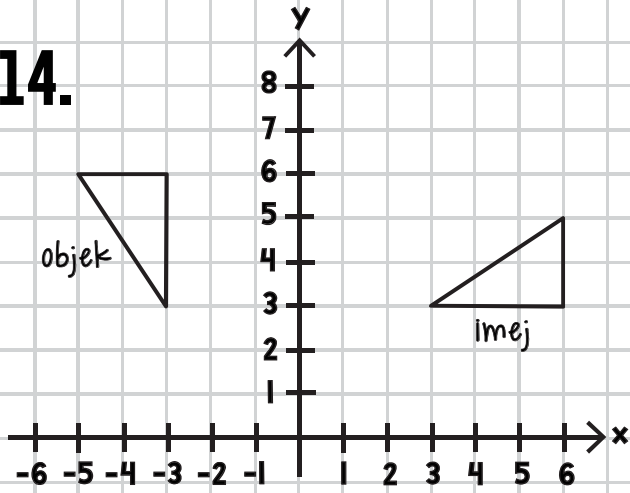
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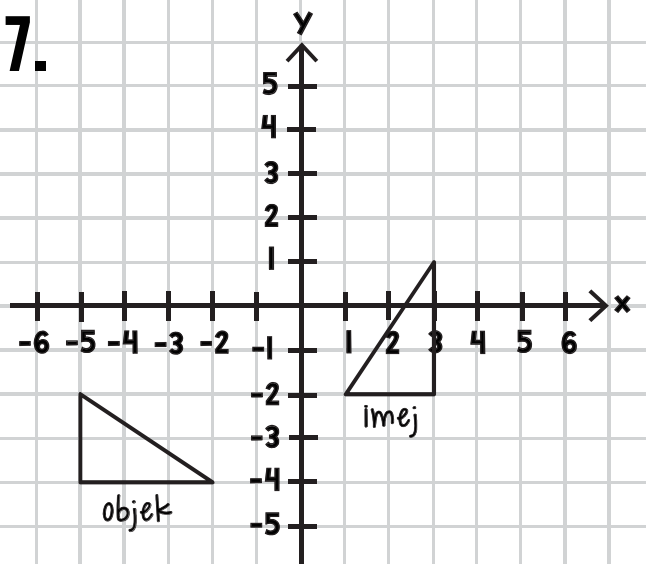
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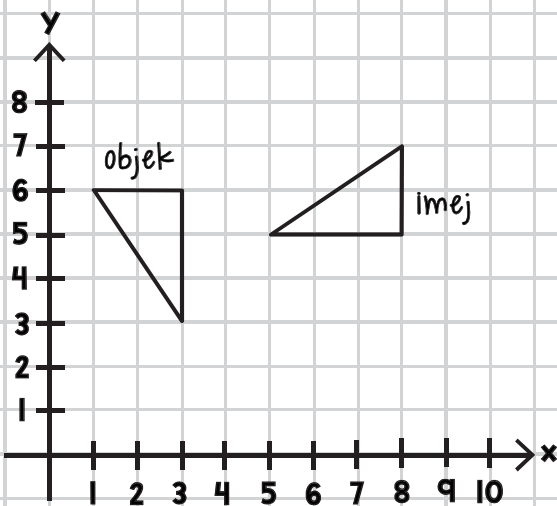
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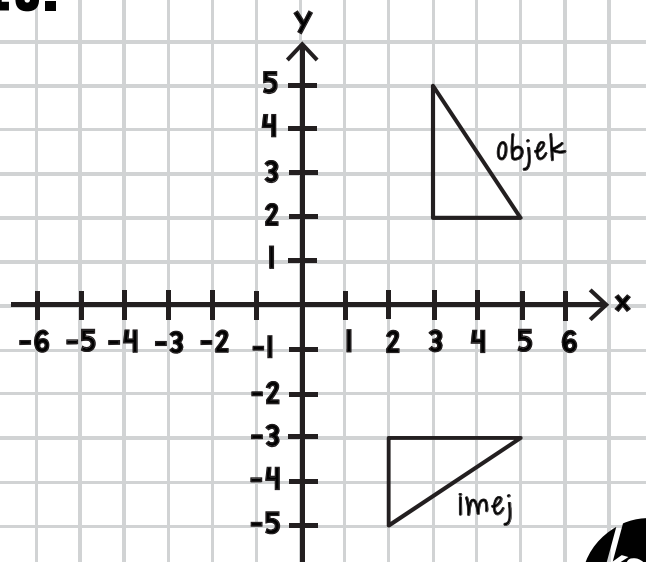
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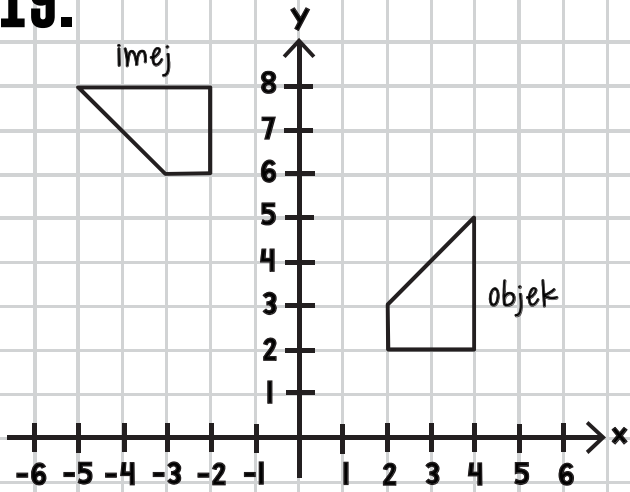
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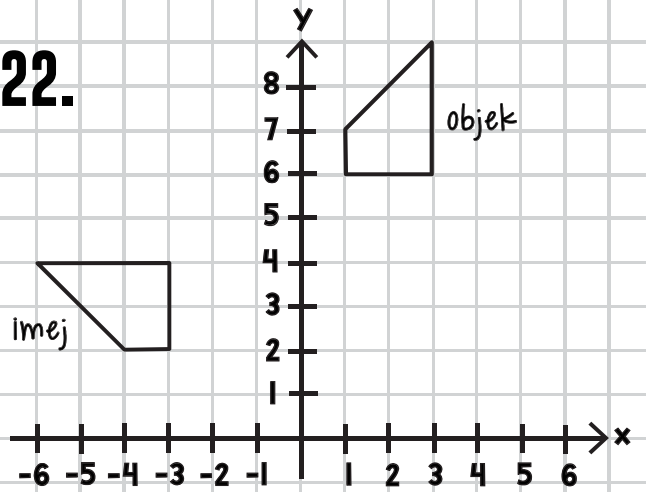
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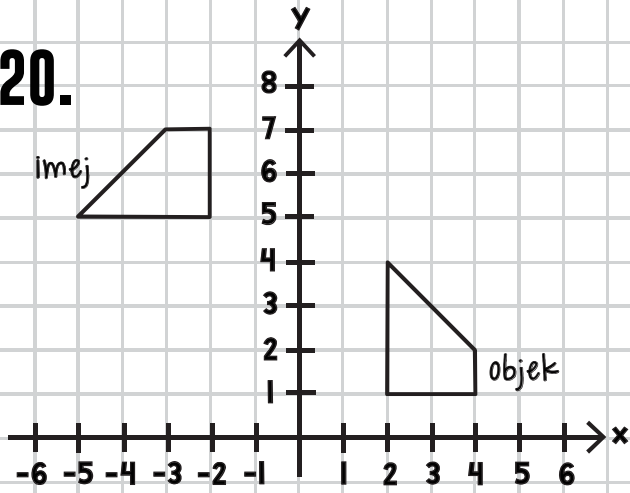
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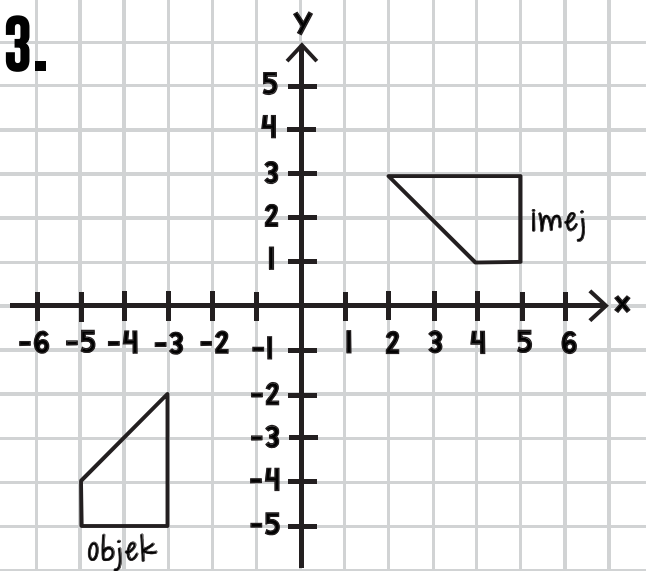
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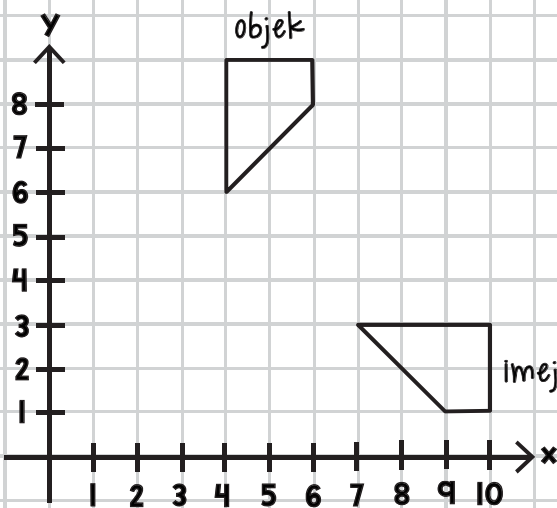
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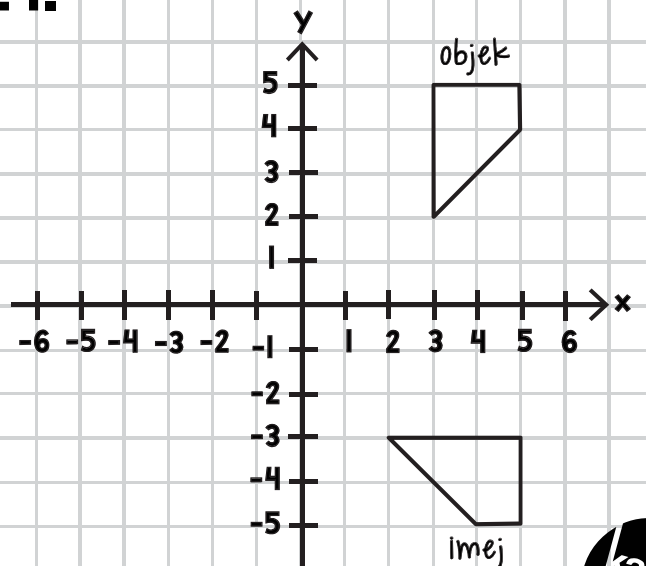
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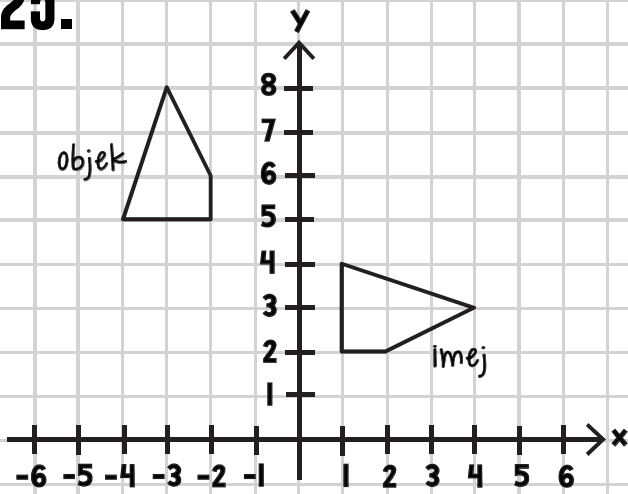
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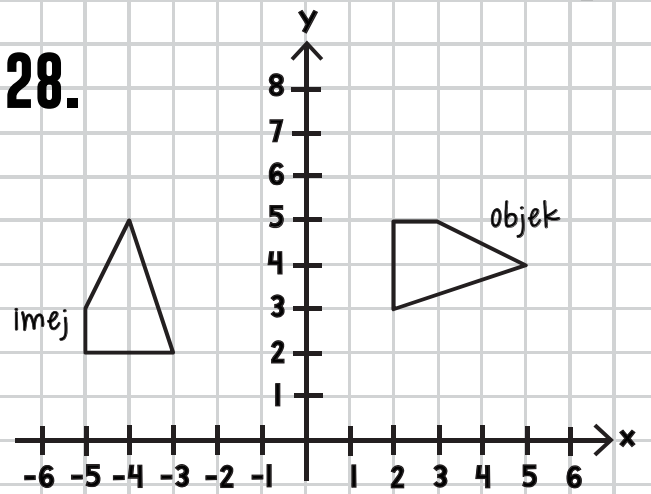
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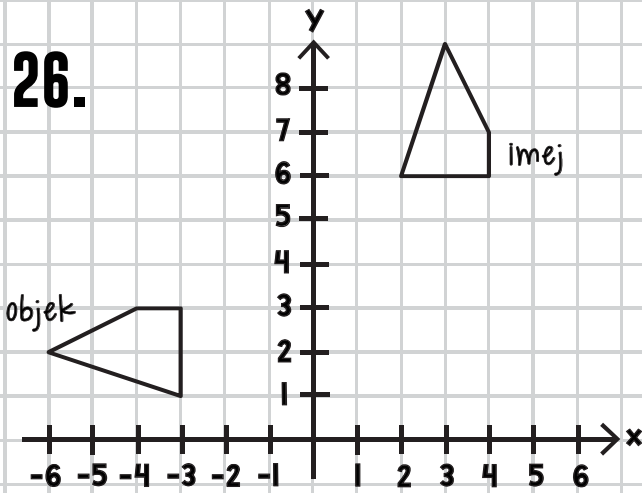
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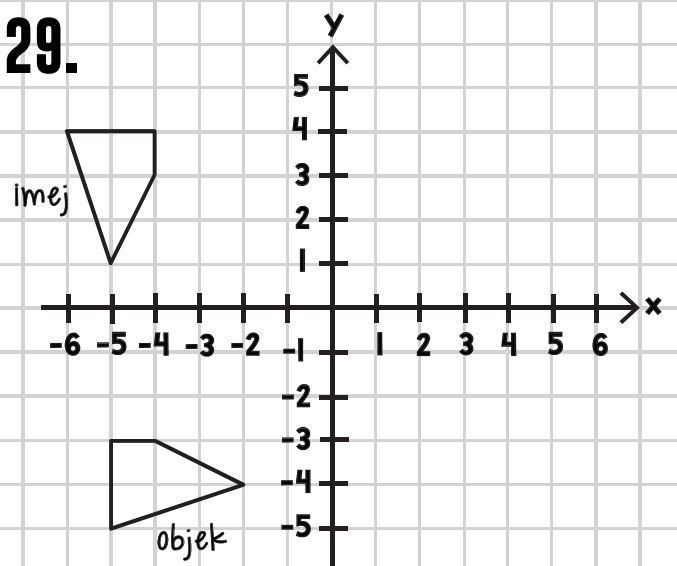
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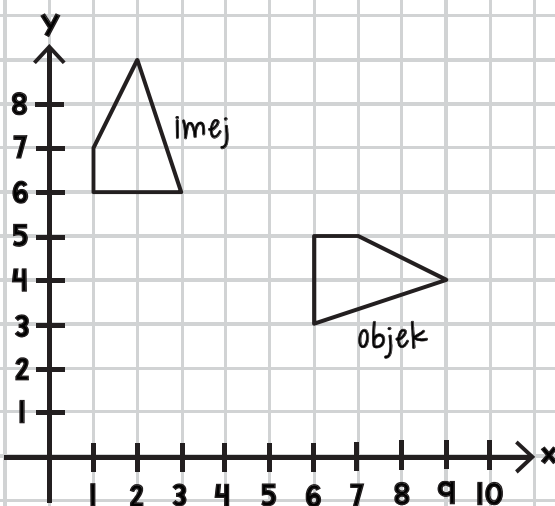
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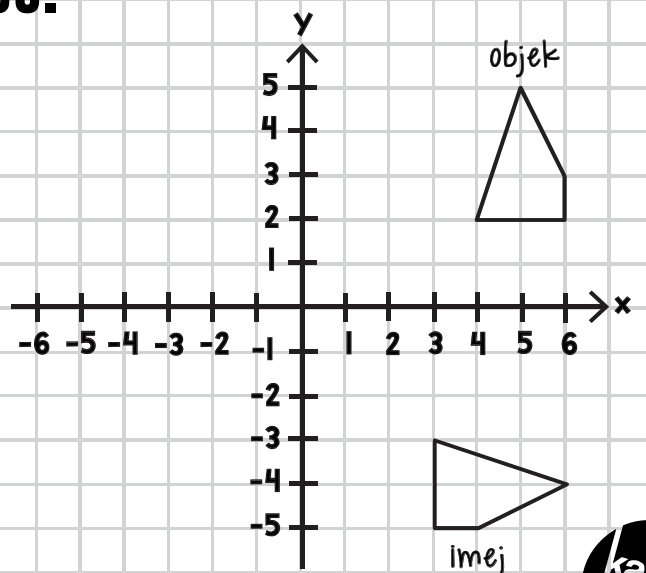
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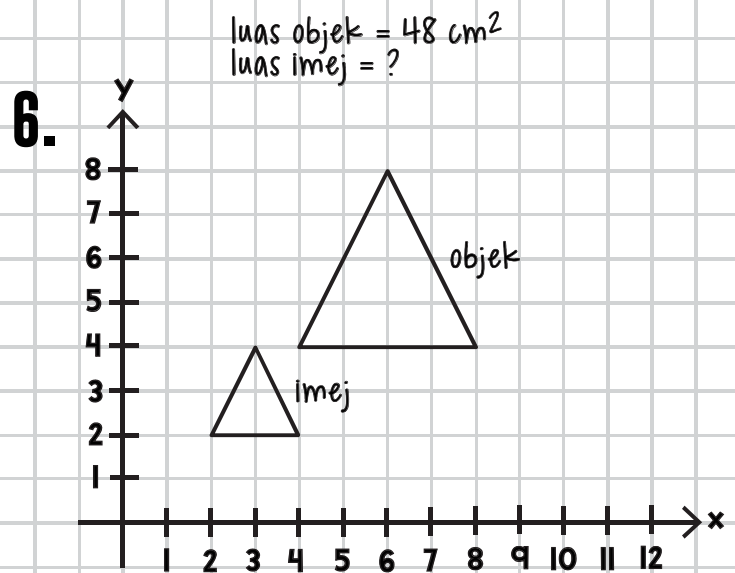
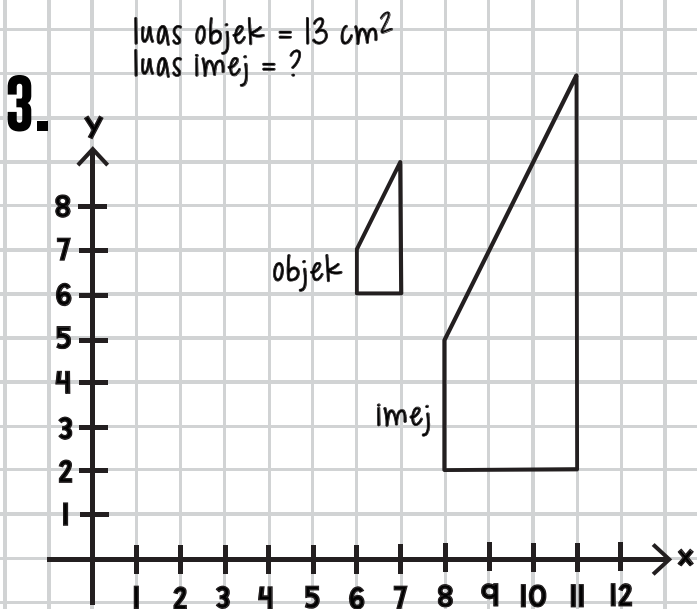
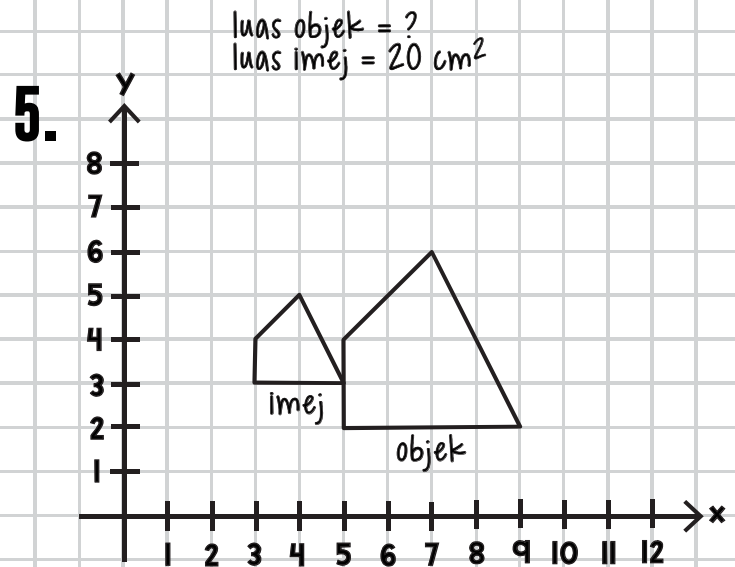
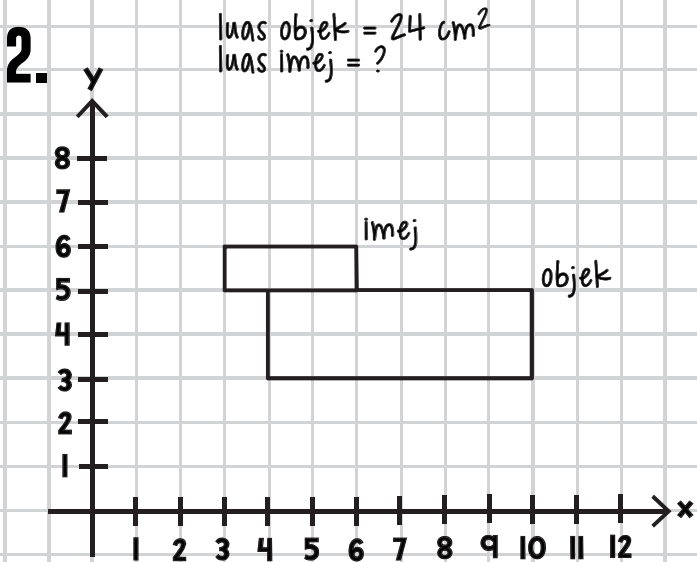
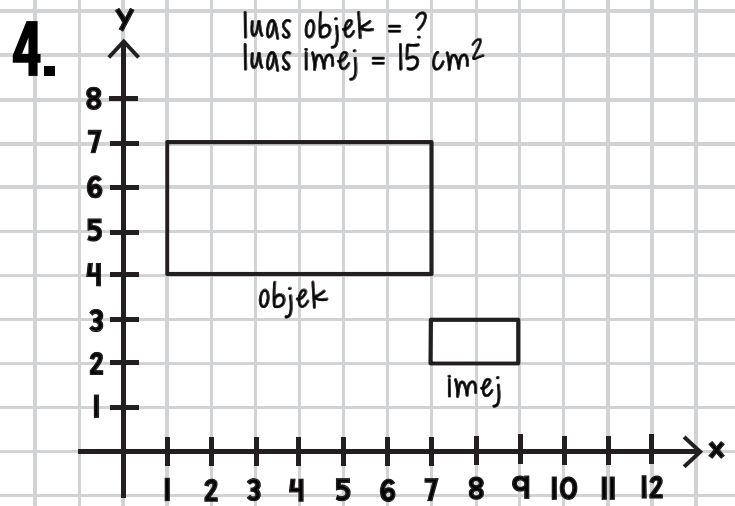
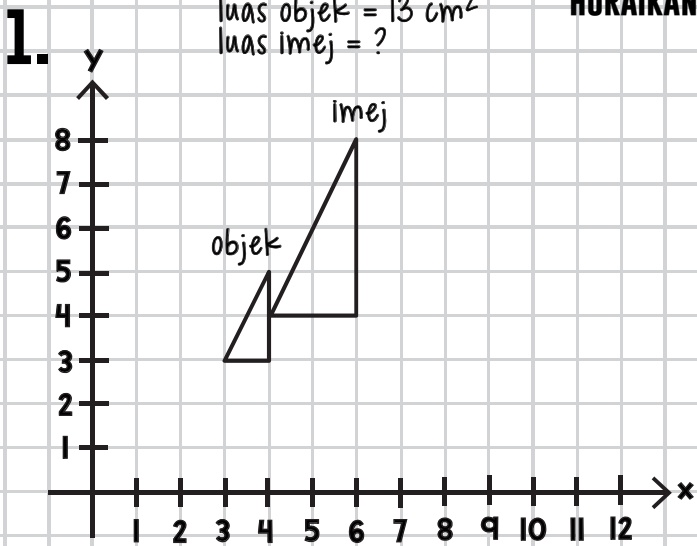


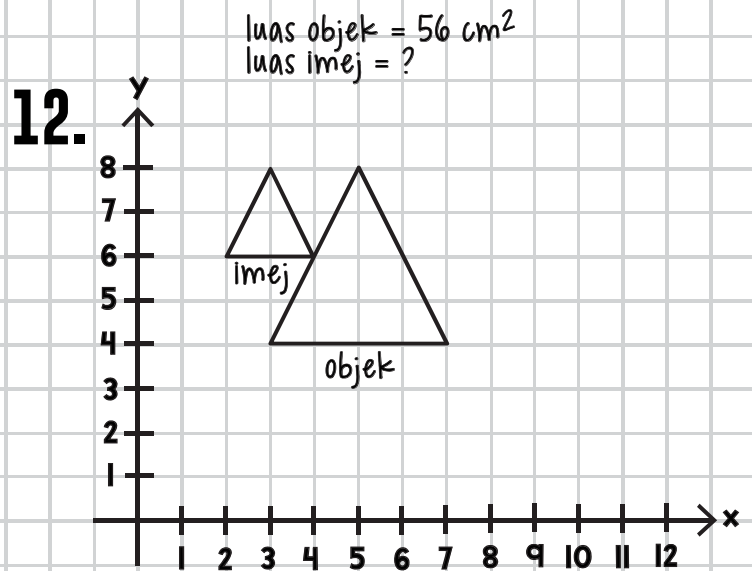
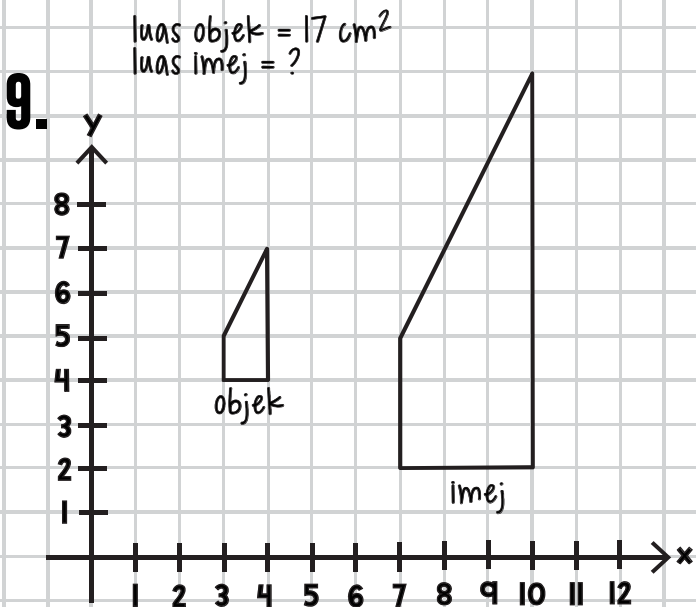
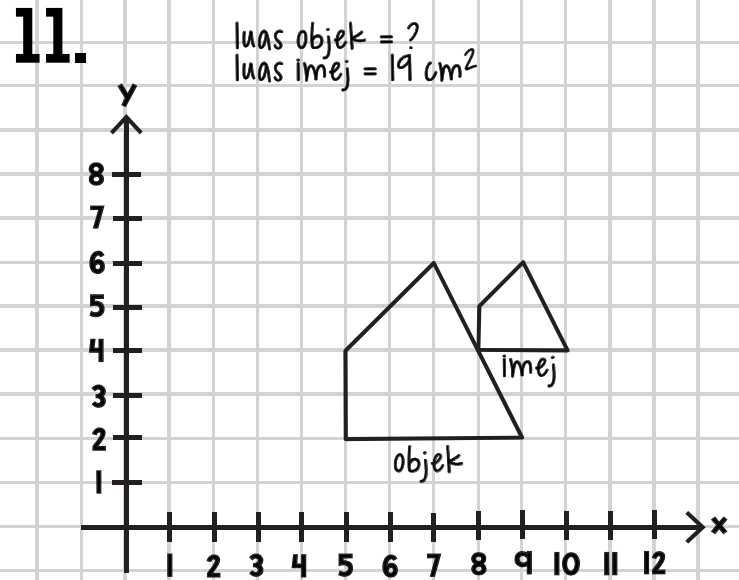
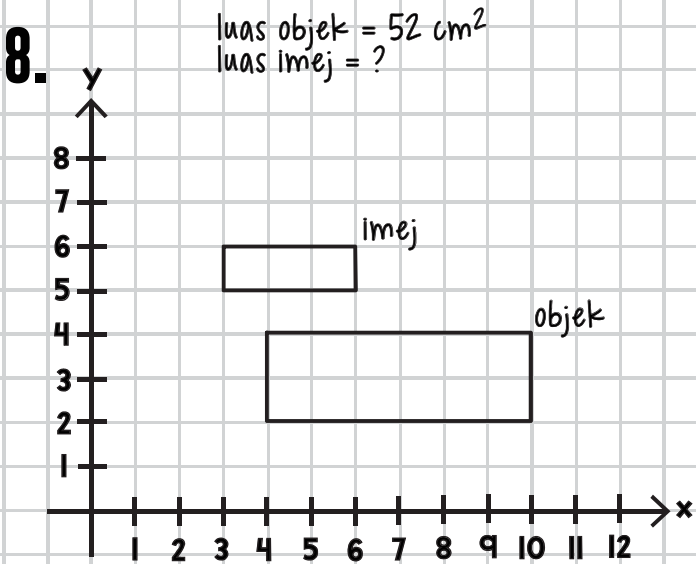
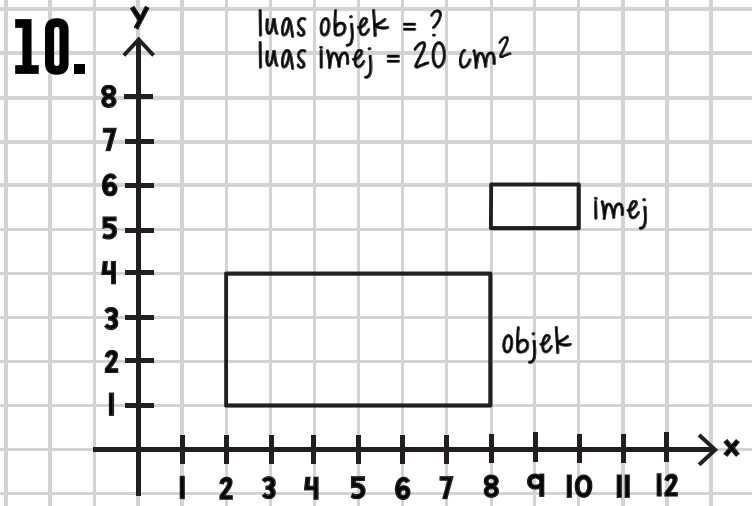
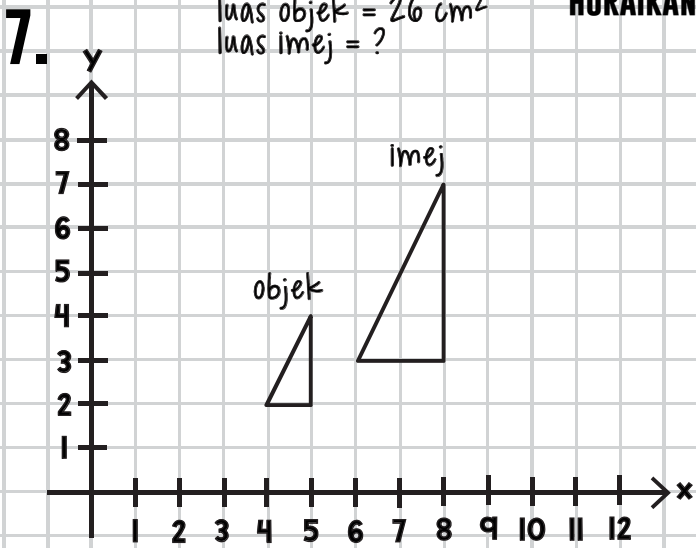
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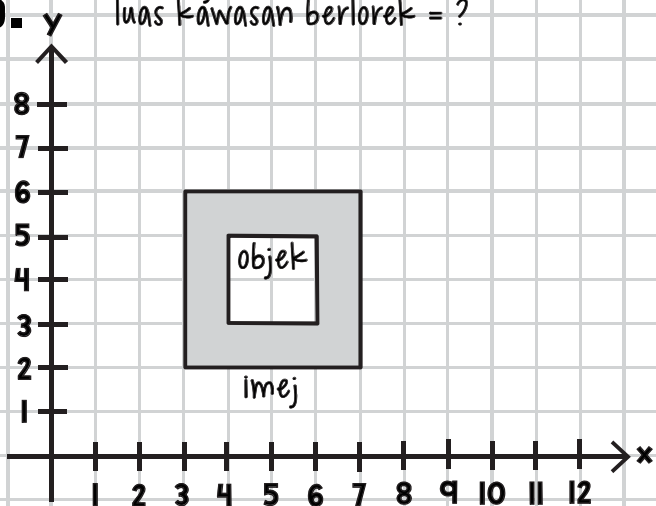
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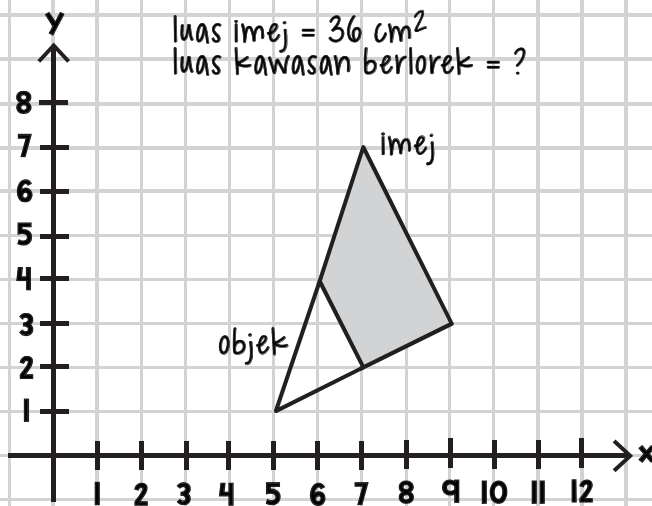




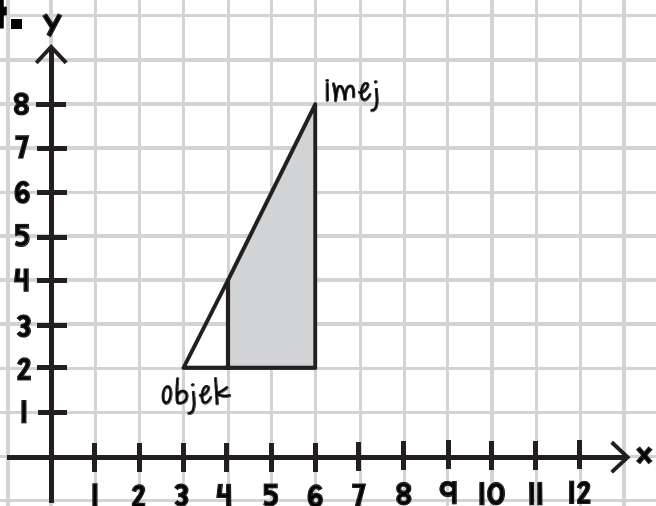
13. luas objek = 24 cm^2
luas kawasan berlorek = ?



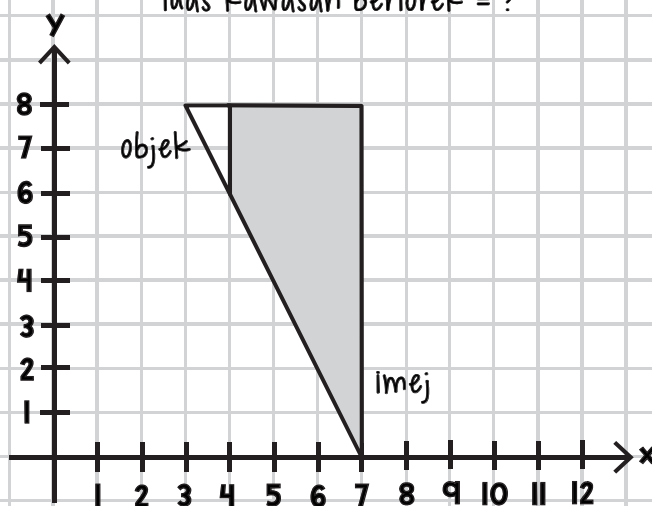
16. luas imej = 36 cm^2
luas kawasan berlorek = ?



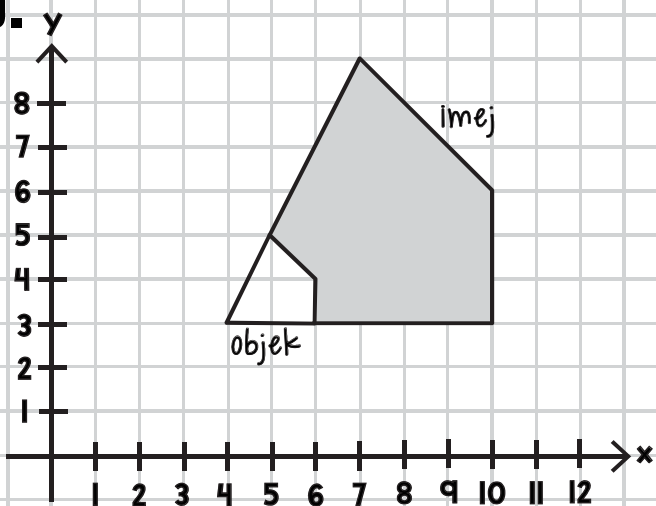
14. luas imej = 72 cm^2
luas kawasan berlorek = ?



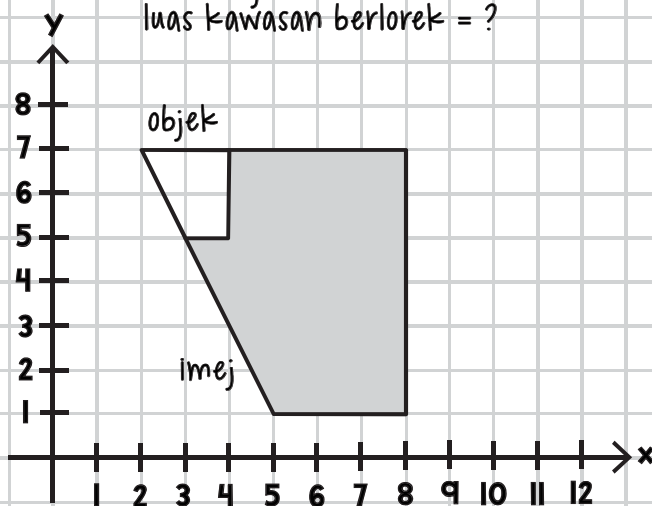
17. luas objek = 30 cm^2
luas kawasan berlorek = ?



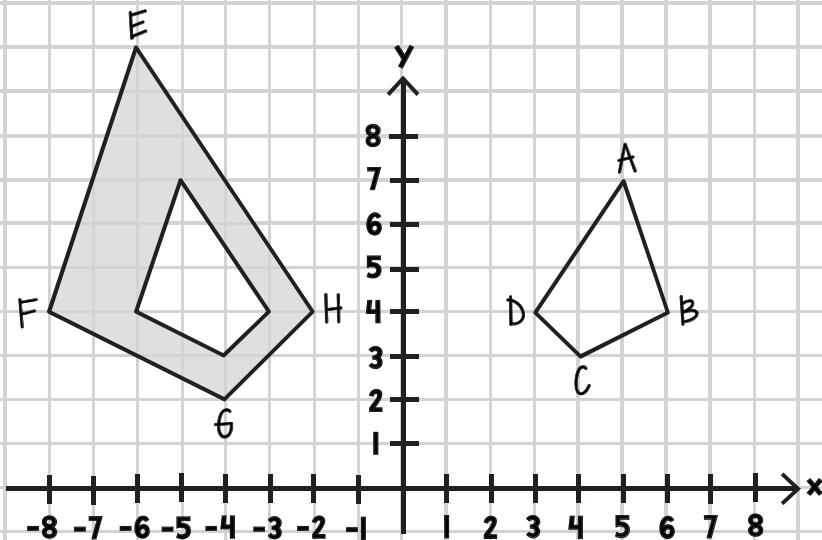
15. luas objek = 27 cm^2
luas kawasan berlorek = ?



18. luas imej = 108 cm^2
luas kawasan berlorek = ?



1.



$$T = \begin{pmatrix} -4 \\ 3 \end{pmatrix}$$

P = pantulan pada garis paksi-y
 R = putaran 90° lawan jam pada pusat (2,2)

1. Nyatakan koordinat imej bagi titik (6,1) di bawah penjelmaan berikut:

a) PT =

b) TR =

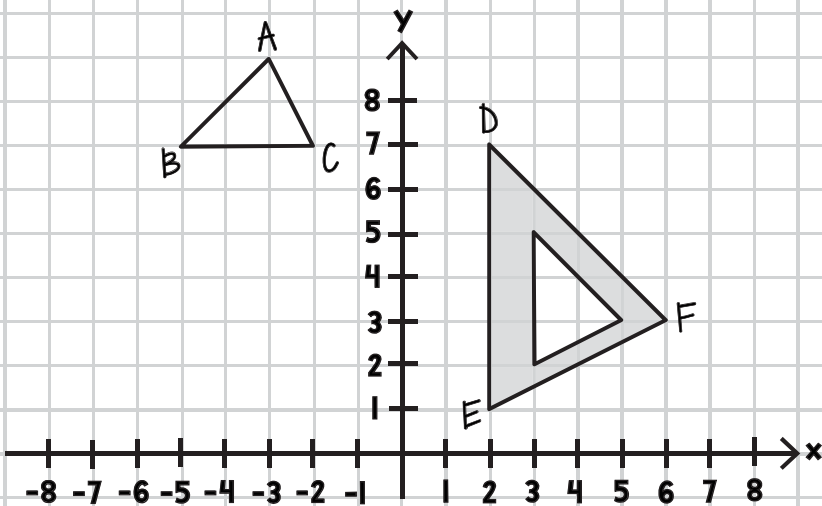
2. EFGH ialah imej bagi ABCD di bawah gabungan penjelmaan UV:

a) U =

b) V =

3. Diberi luas ABCD ialah 40 cm^2 . Kira luas kawasan berlorek.

2.



$$T = \begin{pmatrix} 2 \\ 3 \end{pmatrix}$$

P = pantulan pada garis $x = -2$
 R = putaran 90° ikut jam pada pusat (-3,1)

1. Nyatakan koordinat imej bagi titik (-7, 2) di bawah penjelmaan berikut:

a) PT =

b) TR =

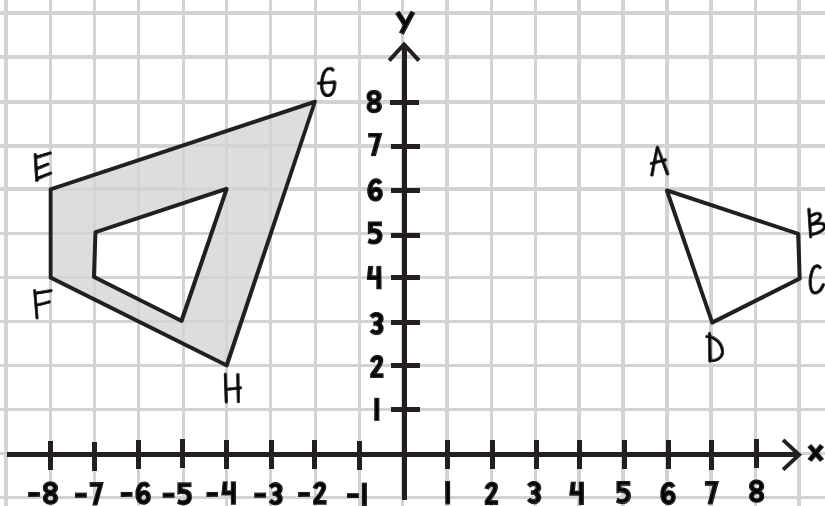
2. DEF ialah imej bagi ABC di bawah gabungan penjelmaan UV:

a) U =

b) V =

3. Diberi luas DEF ialah 260 cm^2 . Kira luas kawasan berlorek.

3.



$$T = \begin{pmatrix} 2 \\ -4 \end{pmatrix}$$

P = pantulan pada garis $y = 2$

R = putaran 180° pada pusat $(2,6)$

1. Nyatakan koordinat imej bagi titik $(2,8)$ di bawah penjelmaan berikut:

a) $PT =$

b) $TR =$

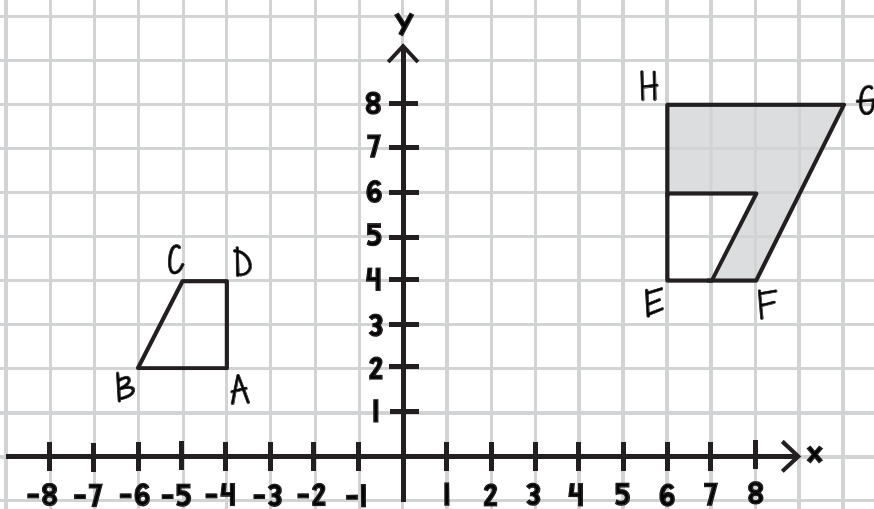
2. EFGH ialah imej bagi ABCD di bawah gabungan penjelmaan UV:

a) $U =$

b) $V =$

3. Diberi luas ABCD ialah 105 cm^2 . Kira luas kawasan berlorek.

4.



$$T = \begin{pmatrix} -5 \\ -2 \end{pmatrix}$$

P = pantulan pada garis $y = 4$

R = putaran 90° ikut jam pada pusat $(-1,4)$

1. Nyatakan koordinat imej bagi titik $(-3,7)$ di bawah penjelmaan berikut:

a) $PT =$

b) $TR =$

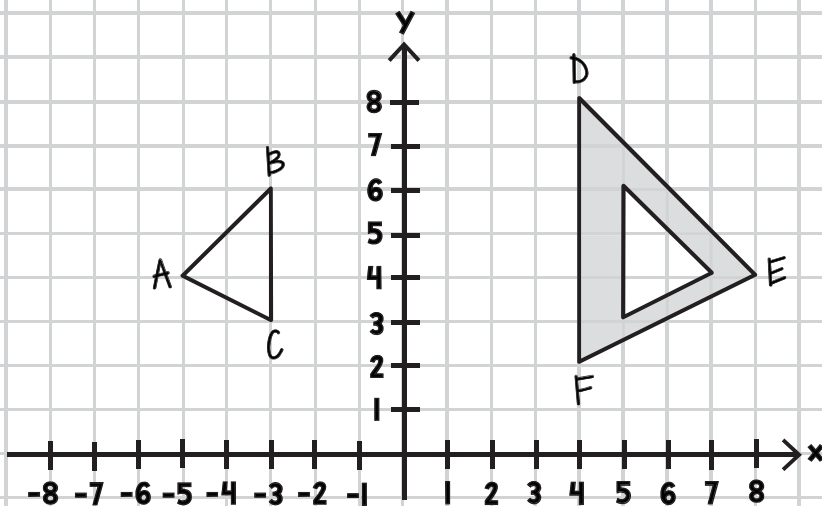
2. EFGH ialah imej bagi ABCD di bawah gabungan penjelmaan UV:

a) $U =$

b) $V =$

3. Diberi luas EFGH ialah 360 cm^2 . Kira luas kawasan berlorek.

5.



$$T = \begin{pmatrix} -1 \\ 2 \end{pmatrix}$$

P = pantulan pada paksi-y

R = putaran 90° lawan jam pada pusat (1,1)

1. Nyatakan koordinat imej bagi titik (3,4) di bawah penjelmaan berikut:

a) PT =

b) TR =

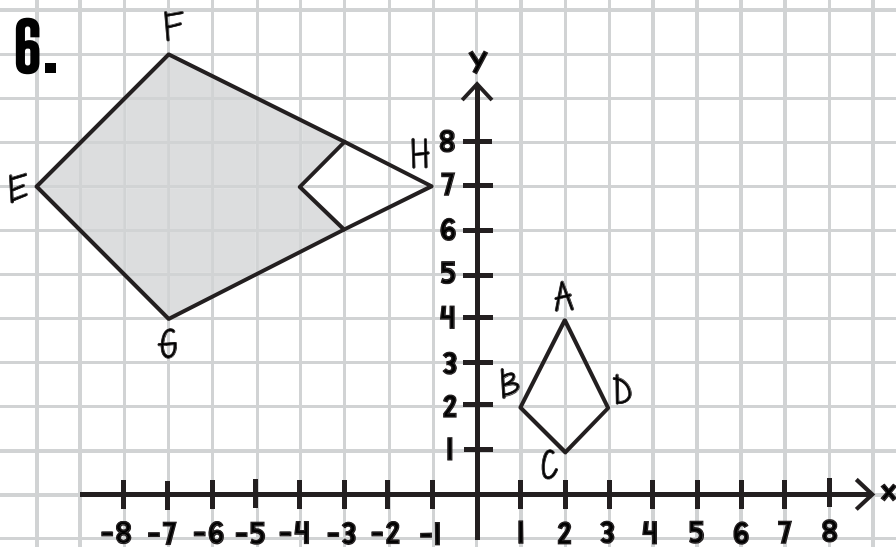
2. DEF ialah imej bagi ABC di bawah gabungan penjelmaan UV:

a) U =

b) V =

3. Diberi luas ABC ialah 52 cm². Kira luas kawasan berlorek.

6.



$$T = \begin{pmatrix} -3 \\ 2 \end{pmatrix}$$

P = pantulan pada garis x = 2

R = putaran 90° lawan jam pada pusat (5,1)

1. Nyatakan koordinat imej bagi titik (8,3) di bawah penjelmaan berikut:

a) PT =

b) TR =

2. EFGH ialah imej bagi ABCD di bawah gabungan penjelmaan UV:

a) U =

b) V =

3. Diberi luas EFGH ialah 225 cm². Kira luas kawasan berlorek.