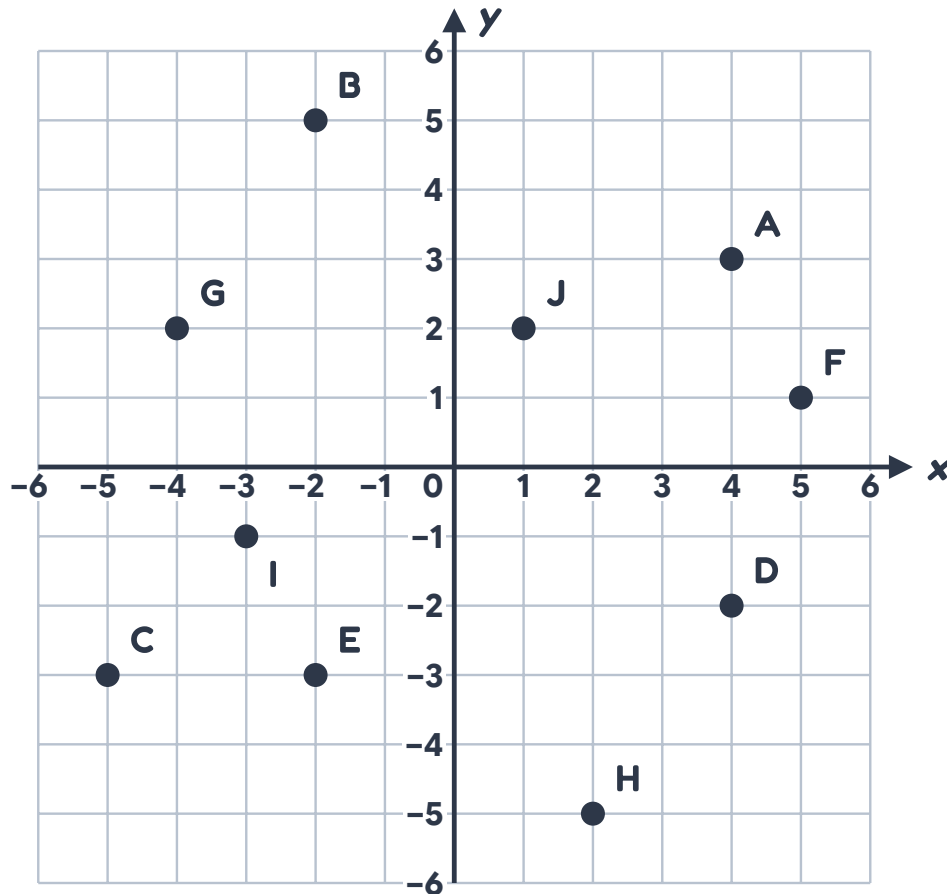


Four Quadrants

Write the coordinates of each point.



A (4 , 3)

Example

F (_____ , _____)

B (_____ , _____)

G (_____ , _____)

C (_____ , _____)

H (_____ , _____)

D (_____ , _____)

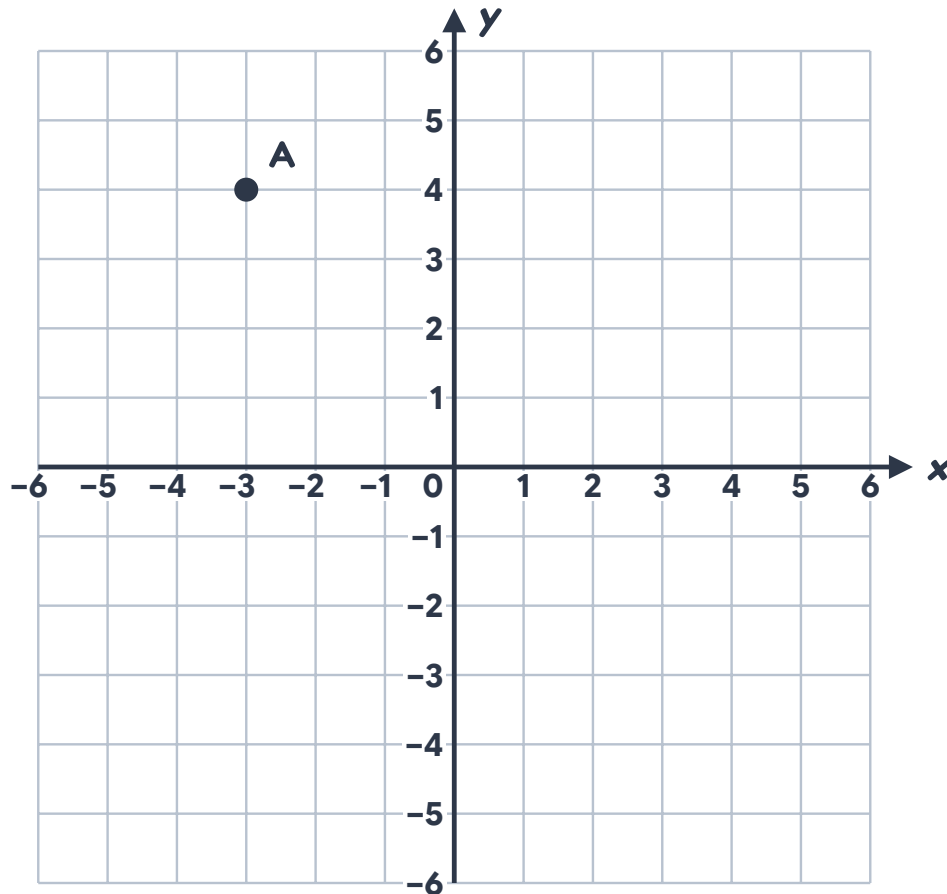
I (_____ , _____)

E (_____ , _____)

J (_____ , _____)

Four Quadrants

Plot each point on the grid and label it with its letter.



A (-3, 4) Example

F (-3, -3)

B (5, -3)

G (-5, 1)

C (-5, -5)

H (1, -5)

D (2, 5)

I (3, -1)

E (4, 1)

J (-3, -5)

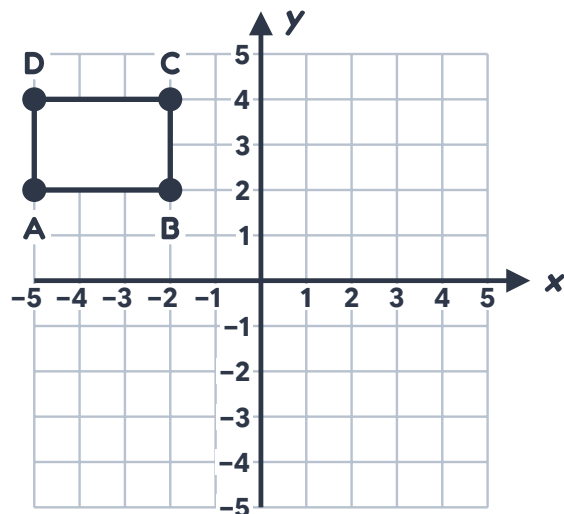
Four Quadrants

Plot A, B and C. Find D, draw the shape and write D's coordinates.

1. Rectangle ABCD

Example

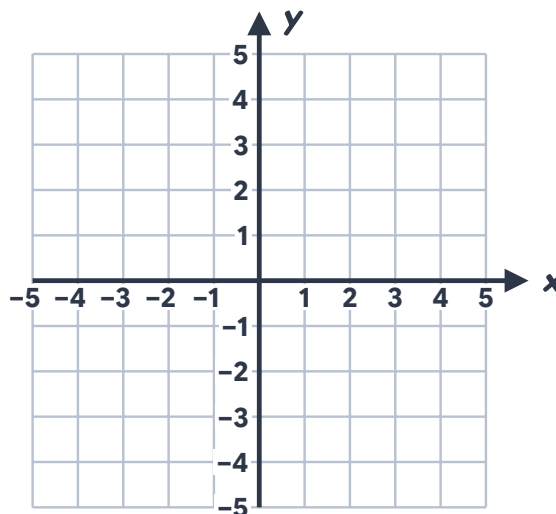
A $(-5, 2)$, B $(-2, 2)$, C $(-2, 4)$



D (-5 , 4)

2. Square ABCD

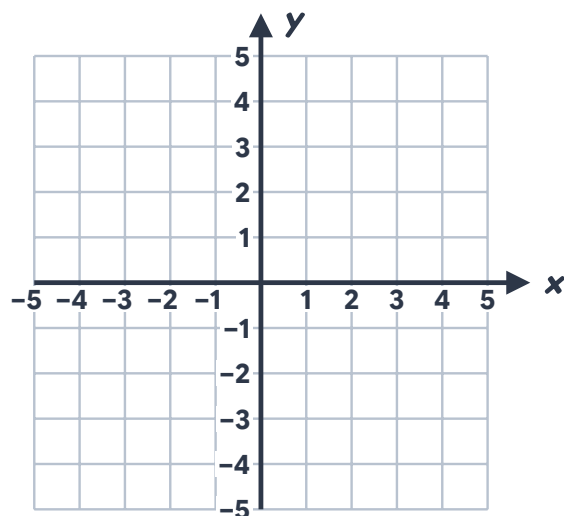
A $(1, -2)$, B $(3, -2)$, C $(3, -4)$



D (,)

3. Rectangle ABCD

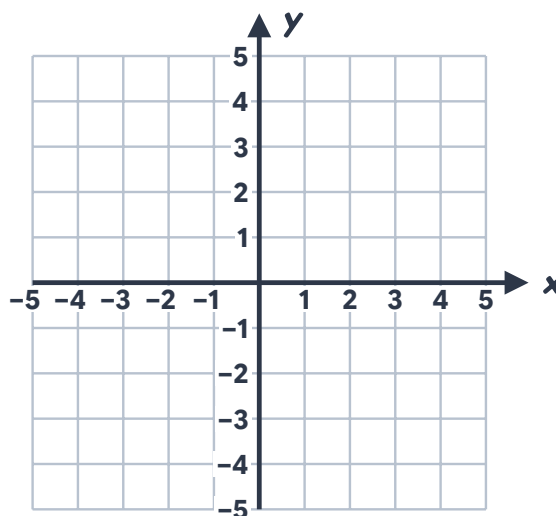
A $(-2, -2)$, B $(-2, -4)$, C $(-5, -4)$



D (,)

4. Square ABCD

A $(2, 1)$, B $(4, 2)$, C $(3, 4)$

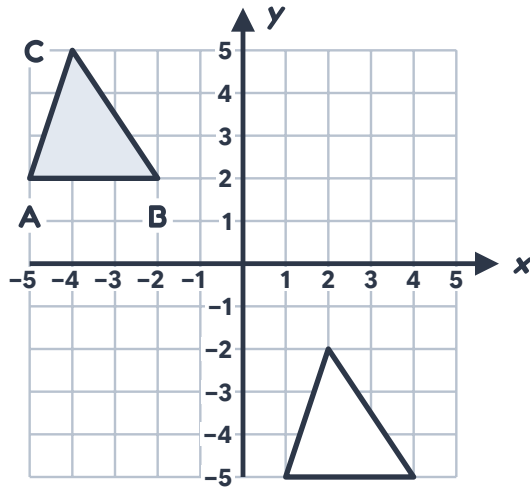


D (,)

Four Quadrants

Translate each shape. Draw it and write its new vertices.

1.



Translate the triangle 6 right and 7 down.

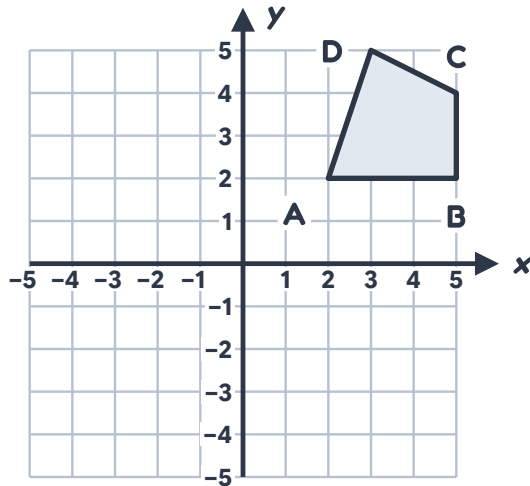
Example

$$A (-5, 2) \longrightarrow (\underline{1} , \underline{-5})$$

$$B (-2, 2) \longrightarrow (\underline{4} , \underline{-5})$$

$$C (-4, 5) \longrightarrow (\underline{2} , \underline{-2})$$

2.



Translate the quadrilateral 7 left.

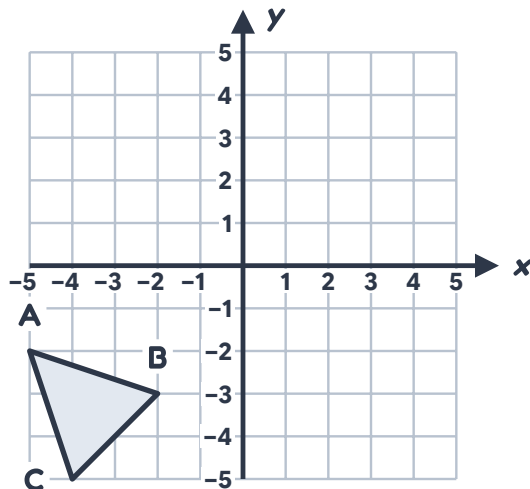
$$A (2, 2) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$B (5, 2) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$C (5, 4) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$D (3, 5) \longrightarrow (\underline{\quad} , \underline{\quad})$$

3.



Translate the triangle 6 right and 6 up.

$$A (-5, -2) \longrightarrow (\underline{\quad} , \underline{\quad})$$

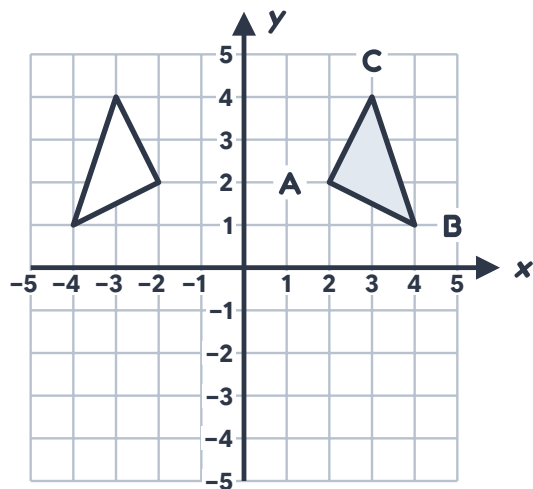
$$B (-2, -3) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$C (-4, -5) \longrightarrow (\underline{\quad} , \underline{\quad})$$

Four Quadrants

Reflect each shape. Draw it and write its new vertices.

1.



Reflect the triangle in the y-axis.

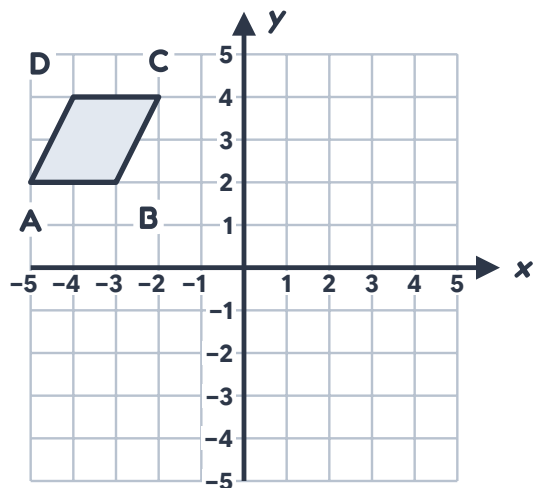
Example

$$A (2, 2) \longrightarrow (\underline{-2} , \underline{2})$$

$$B (4, 1) \longrightarrow (\underline{-4} , \underline{1})$$

$$C (3, 4) \longrightarrow (\underline{-3} , \underline{4})$$

2.



Reflect the quadrilateral in the x-axis.

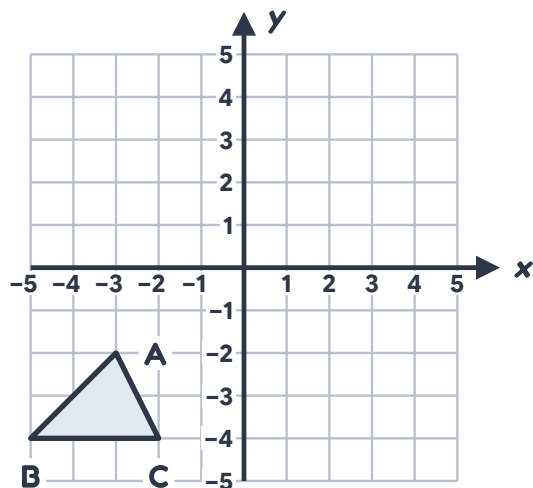
$$A (-5, 2) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$B (-3, 2) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$C (-2, 4) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$D (-4, 4) \longrightarrow (\underline{\quad} , \underline{\quad})$$

3.



Reflect the triangle in the y-axis.

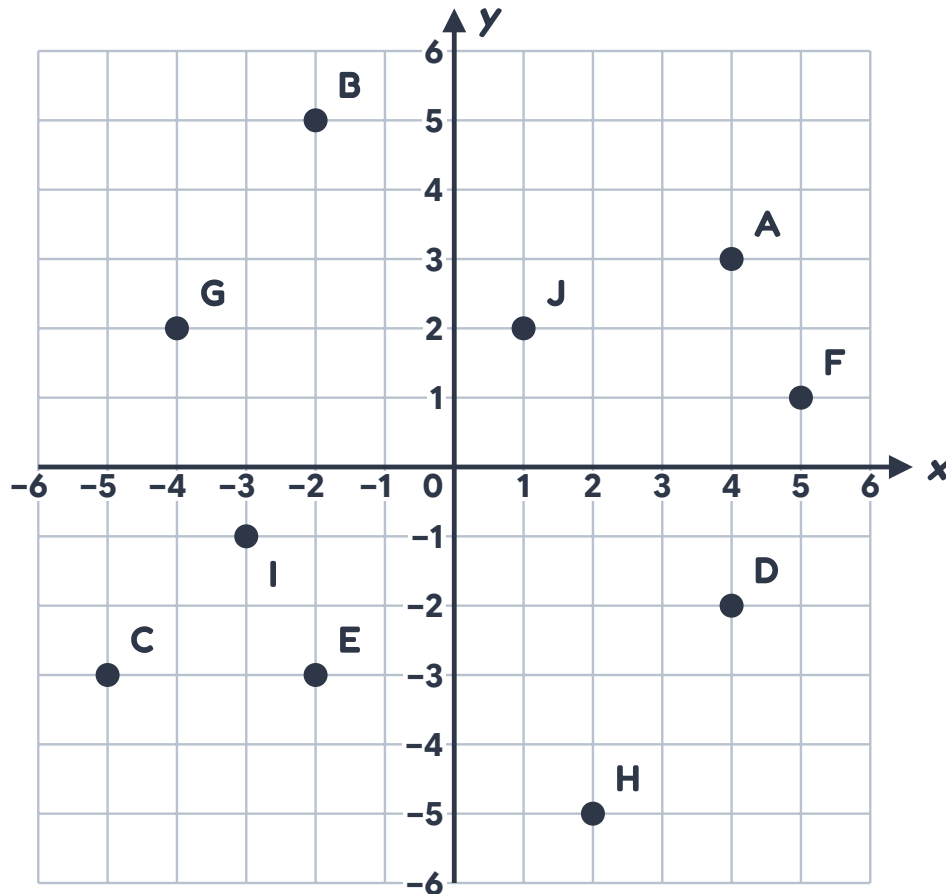
$$A (-3, -2) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$B (-5, -4) \longrightarrow (\underline{\quad} , \underline{\quad})$$

$$C (-2, -4) \longrightarrow (\underline{\quad} , \underline{\quad})$$

Four Quadrants

Write the coordinates of each point.



A (4 , 3) Example F (5 , 1)

B (-2 , 5) G (-4 , 2)

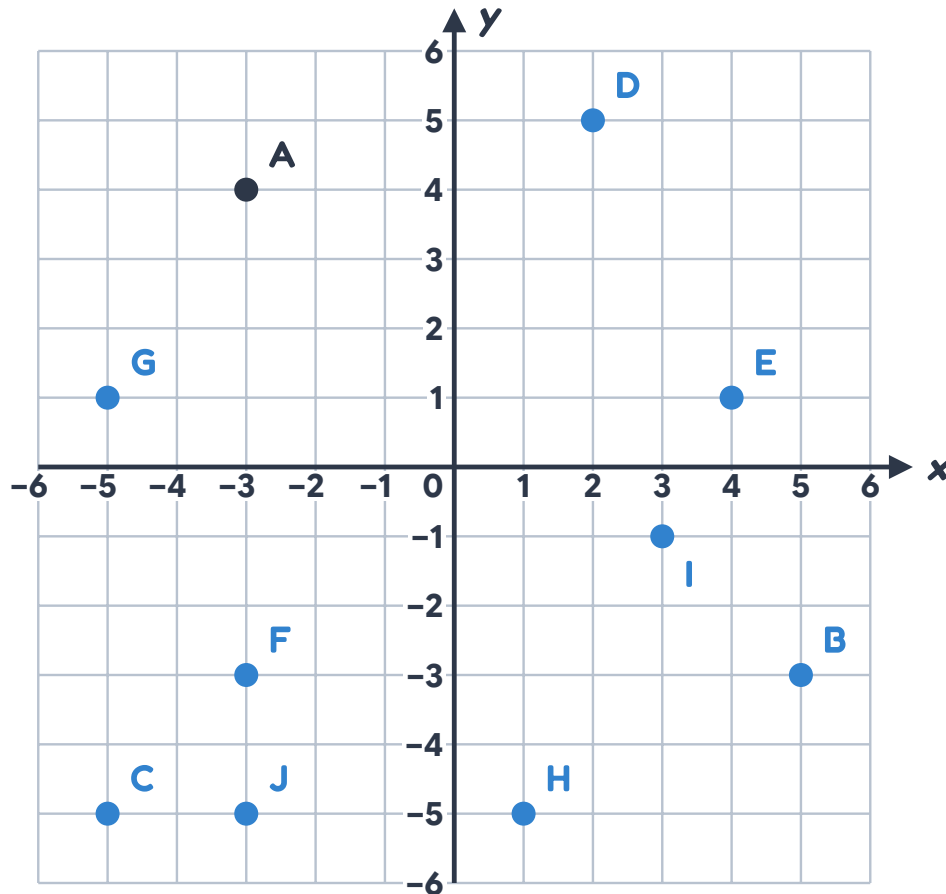
C (-5 , -3) H (2 , -5)

D (4 , -2) I (-3 , -1)

E (-2 , -3) J (1 , 2)

Four Quadrants

Plot each point on the grid and label it with its letter.



A (-3, 4) Example

F (-3, -3)

B (5, -3)

G (-5, 1)

C (-5, -5)

H (1, -5)

D (2, 5)

I (3, -1)

E (4, 1)

J (-3, -5)

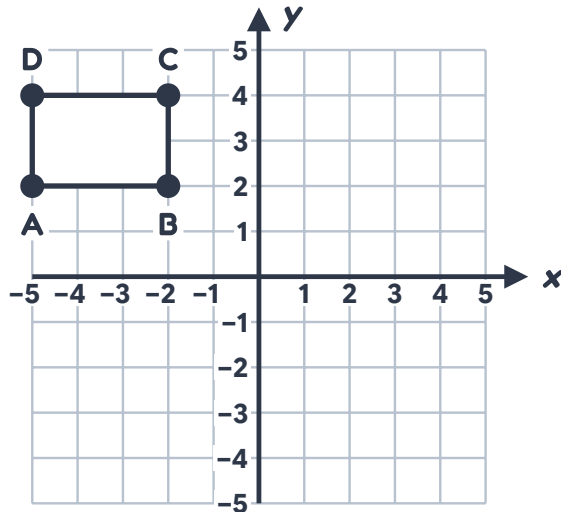
Four Quadrants

Plot A, B and C. Find D, draw the shape and write D's coordinates.

1. Rectangle ABCD

Example

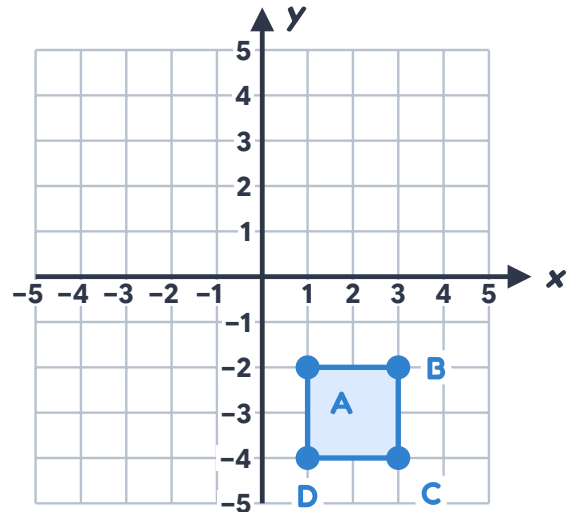
A $(-5, 2)$, B $(-2, 2)$, C $(-2, 4)$



D (-5 , 4)

2. Square ABCD

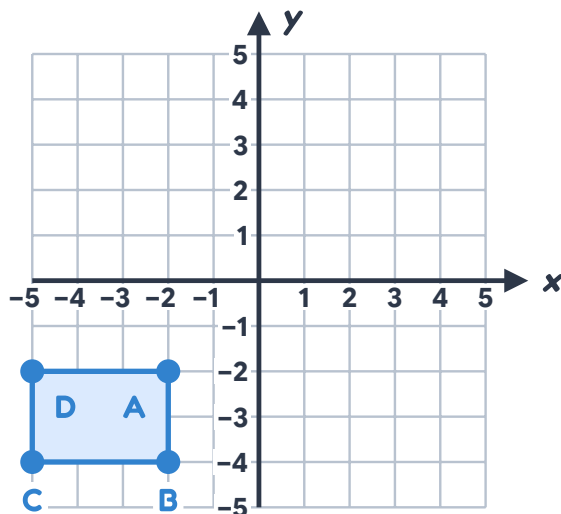
A $(1, -2)$, B $(3, -2)$, C $(3, -4)$



D (1 , -4)

3. Rectangle ABCD

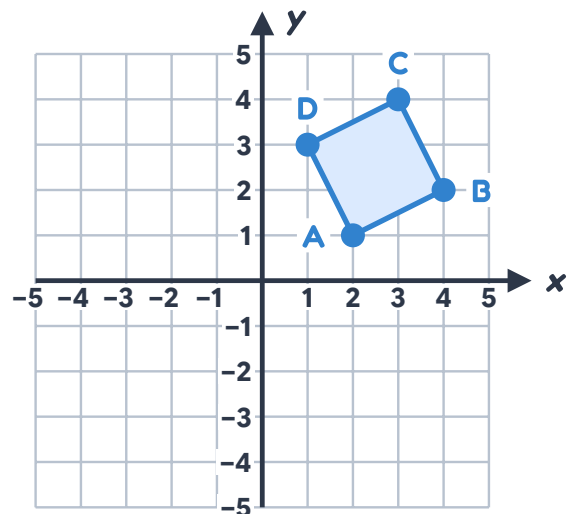
A $(-2, -2)$, B $(-2, -4)$, C $(-5, -4)$



D (-5 , -2)

4. Square ABCD

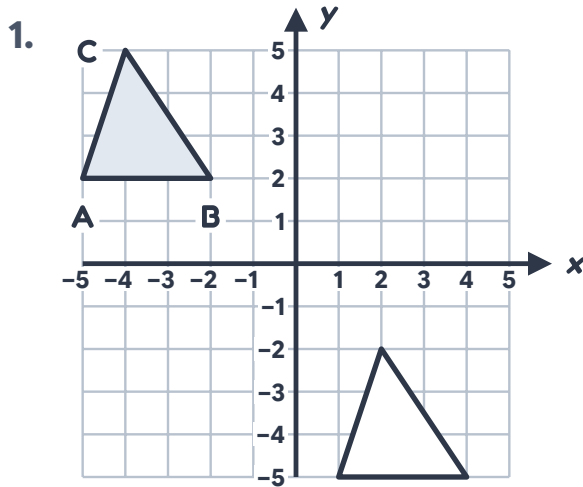
A $(2, 1)$, B $(4, 2)$, C $(3, 4)$



D (1 , 3)

Four Quadrants

Translate each shape. Draw it and write its new vertices.



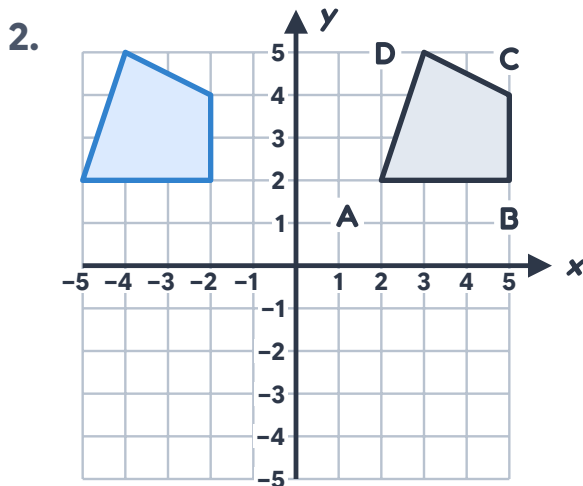
Translate the triangle 6 right and 7 down.

Example

$$A (-5, 2) \longrightarrow (\underline{1} , \underline{-5})$$

$$B (-2, 2) \longrightarrow (\underline{4} , \underline{-5})$$

$$C (-4, 5) \longrightarrow (\underline{2} , \underline{-2})$$



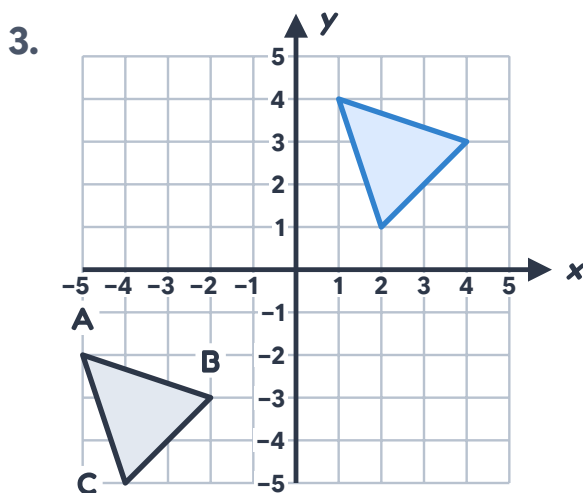
Translate the quadrilateral 7 left.

$$A (2, 2) \longrightarrow (\underline{-5} , \underline{2})$$

$$B (5, 2) \longrightarrow (\underline{-2} , \underline{2})$$

$$C (5, 4) \longrightarrow (\underline{-2} , \underline{4})$$

$$D (3, 5) \longrightarrow (\underline{-4} , \underline{5})$$



Translate the triangle 6 right and 6 up.

$$A (-5, -2) \longrightarrow (\underline{1} , \underline{4})$$

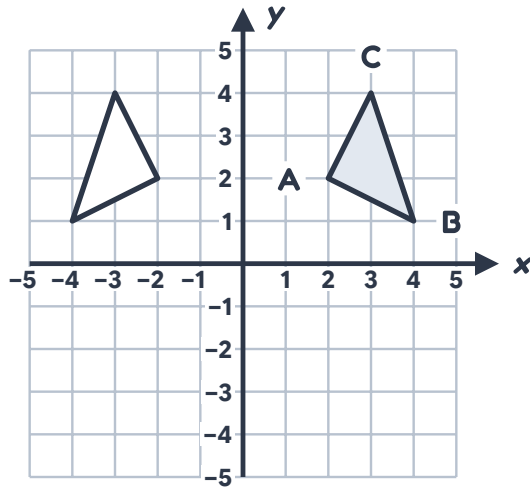
$$B (-2, -3) \longrightarrow (\underline{4} , \underline{3})$$

$$C (-4, -5) \longrightarrow (\underline{2} , \underline{1})$$

Four Quadrants

Reflect each shape. Draw it and write its new vertices.

1.



Reflect the triangle in the y-axis.

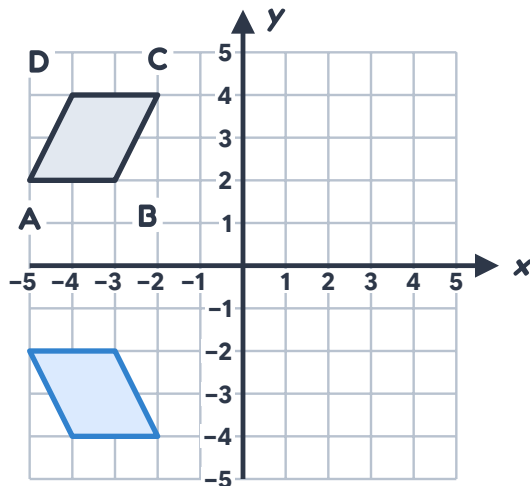
Example

$$A (2, 2) \longrightarrow (\underline{-2} , \underline{2})$$

$$B (4, 1) \longrightarrow (\underline{-4} , \underline{1})$$

$$C (3, 4) \longrightarrow (\underline{-3} , \underline{4})$$

2.



Reflect the quadrilateral in the x-axis.

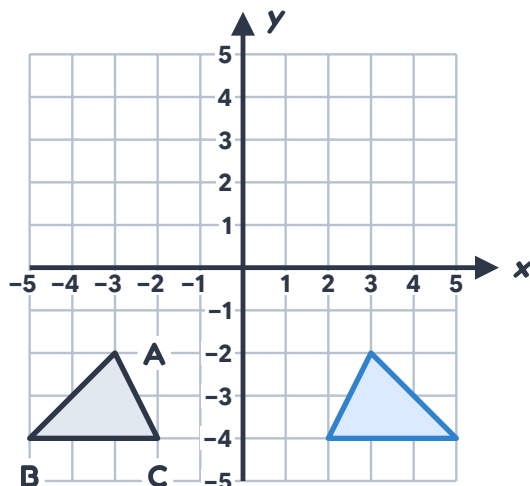
$$A (-5, 2) \longrightarrow (\underline{-5} , \underline{-2})$$

$$B (-3, 2) \longrightarrow (\underline{-3} , \underline{-2})$$

$$C (-2, 4) \longrightarrow (\underline{-2} , \underline{-4})$$

$$D (-4, 4) \longrightarrow (\underline{-4} , \underline{-4})$$

3.



Reflect the triangle in the y-axis.

$$A (-3, -2) \longrightarrow (\underline{3} , \underline{-2})$$

$$B (-5, -4) \longrightarrow (\underline{5} , \underline{-4})$$

$$C (-2, -4) \longrightarrow (\underline{2} , \underline{-4})$$