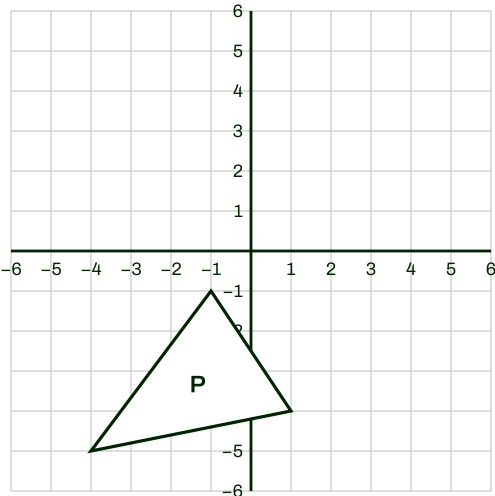


Reflect a figure across a line

NAME	DATE	SCORE
		/ 10

1

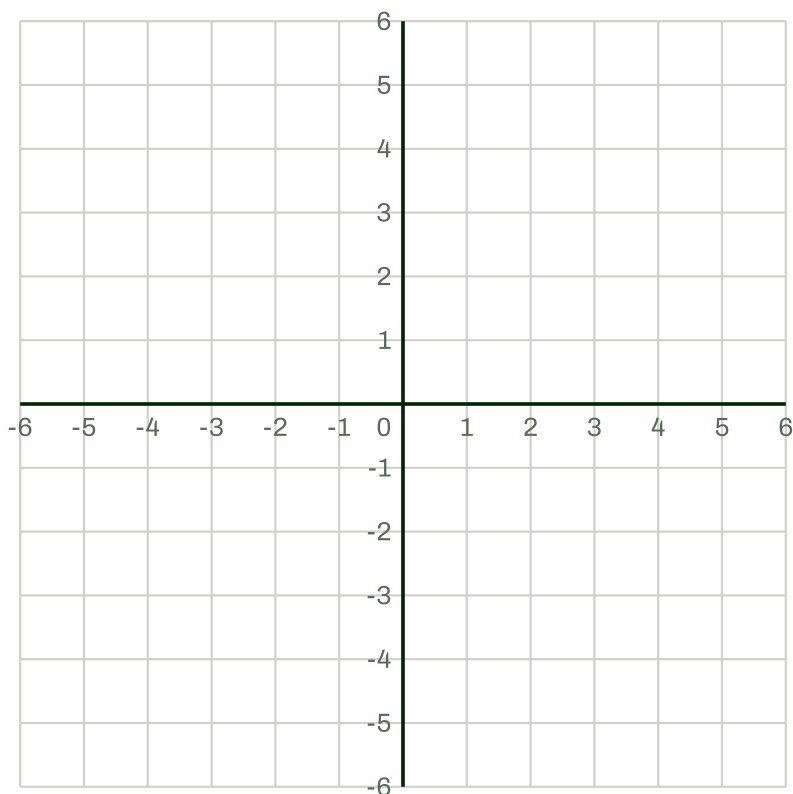
Triangle P, with vertices $(-4, -5)$, $(-1, -1)$ and $(1, -4)$, is drawn on the coordinate plane below. Triangle P is reflected across the x-axis. What are the vertices of the image?



- ☐ $(-5, -4), (-1, -1), (-4, 1)$
- ☐ $(4, -5), (1, -1), (-1, -4)$
- ☐ $(4, 5), (1, 1), (-1, 4)$
- ☐ $(-4, 5), (-1, 1), (1, 4)$

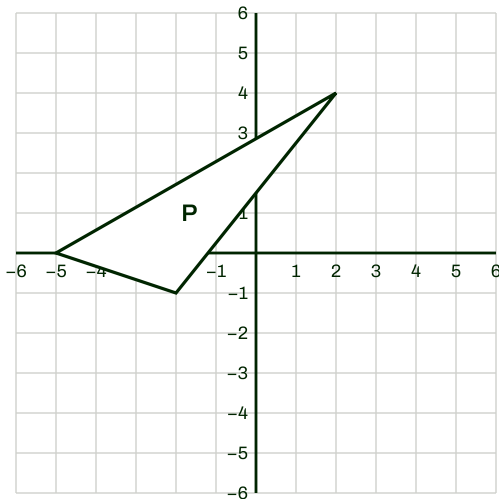
2

A triangle has vertices $(4, -2)$, $(-3, 5)$ and $(-1, -1)$. The triangle is reflected across the line $y = x$. Plot the image of the vertex $(4, -2)$.



3

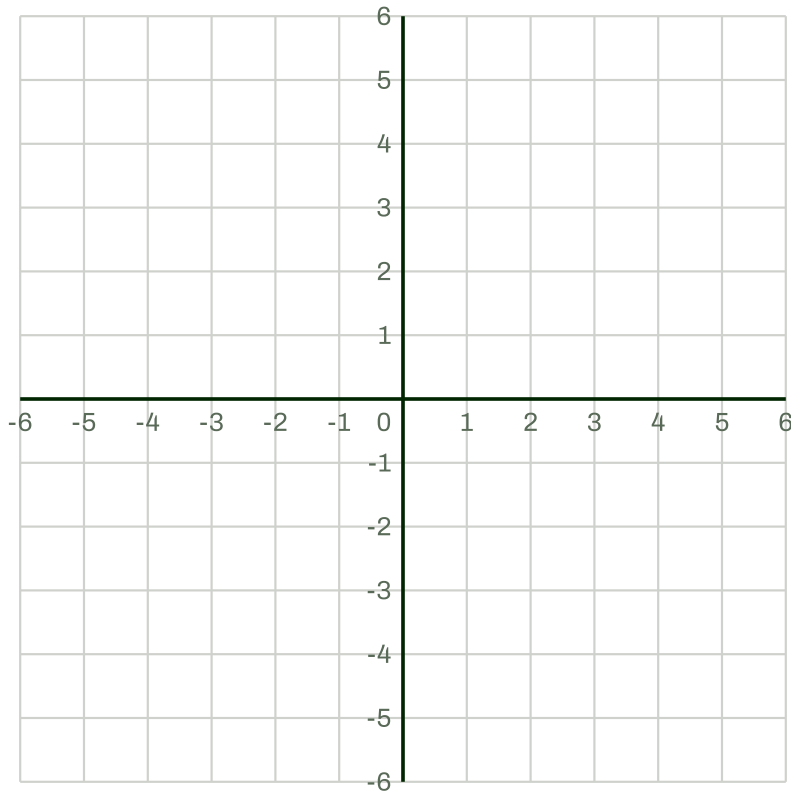
Triangle P, with vertices $(-2, -1)$, $(2, 4)$ and $(-5, 0)$, is drawn on the coordinate plane below. Triangle P is reflected across the y-axis. What are the vertices of the image?



- ☐ $(-1, -2), (4, 2), (0, -5)$
 ☐ $(2, -1), (-2, 4), (5, 0)$
 ☐ $(-2, 1), (2, -4), (-5, 0)$
☐ $(2, 1), (-2, -4), (5, 0)$

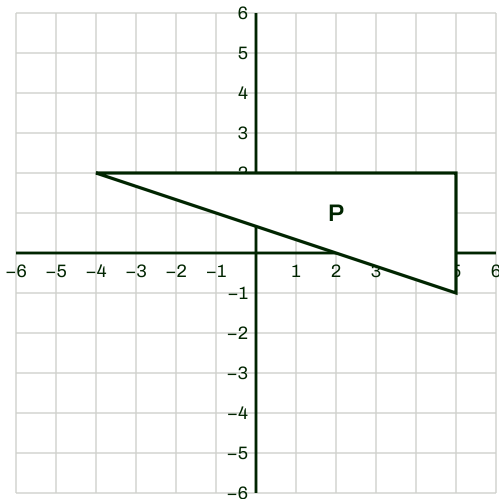
4

A triangle has vertices $(4, -2)$, $(-5, -2)$ and $(-1, -5)$. The triangle is reflected across the y -axis. Plot the image of the vertex $(-1, -5)$.



5

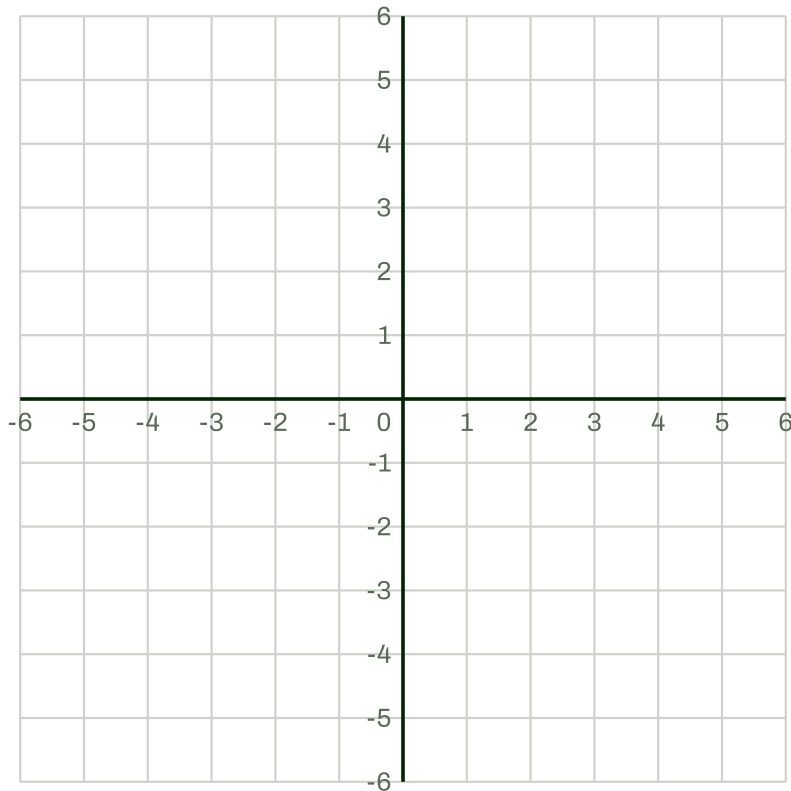
Triangle P, with vertices $(5, -1)$, $(-4, 2)$ and $(5, 2)$, is drawn on the coordinate plane below. Triangle P is reflected across the y-axis. What are the vertices of the image?



- ☐ $(-5, -1), (4, 2), (-5, 2)$
 ☐ $(5, 1), (-4, -2), (5, -2)$
 ☐ $(-1, 5), (2, -4), (2, 5)$
☐ $(-5, 1), (4, -2), (-5, -2)$

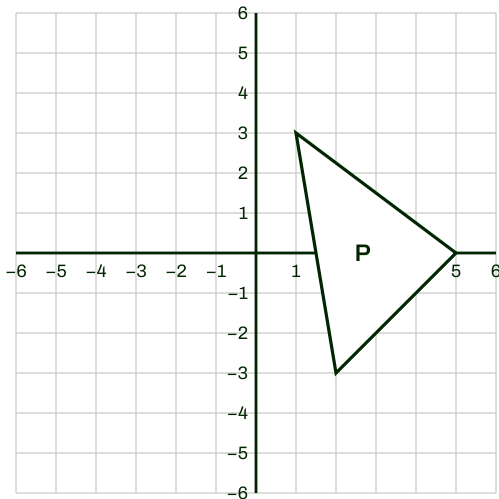
6

A triangle has vertices $(3, -3)$, $(-4, -4)$ and $(-3, 4)$. The triangle is reflected across the x -axis. Plot the image of the vertex $(3, -3)$.



7

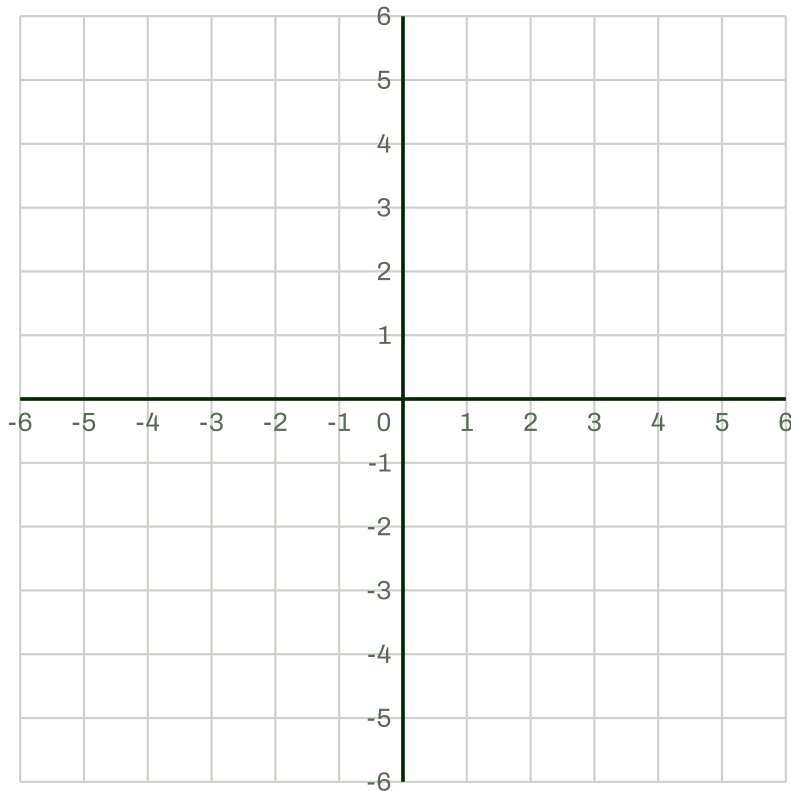
Triangle P, with vertices $(5, 0)$, $(2, -3)$ and $(1, 3)$, is drawn on the coordinate plane below. Triangle P is reflected across the y-axis. What are the vertices of the image?



- ☐ $(-5, 0), (-2, 3), (-1, -3)$
 ☐ $(5, 0), (2, 3), (1, -3)$
 ☐ $(-5, 0), (-2, -3), (-1, 3)$
☐ $(0, 5), (-3, 2), (3, 1)$

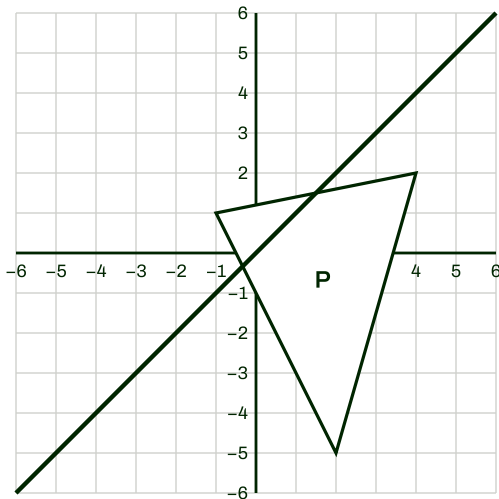
8

A triangle has vertices $(-4, -5)$, $(0, -4)$ and $(2, -5)$. The triangle is reflected across the y -axis. Plot the image of the vertex $(2, -5)$.



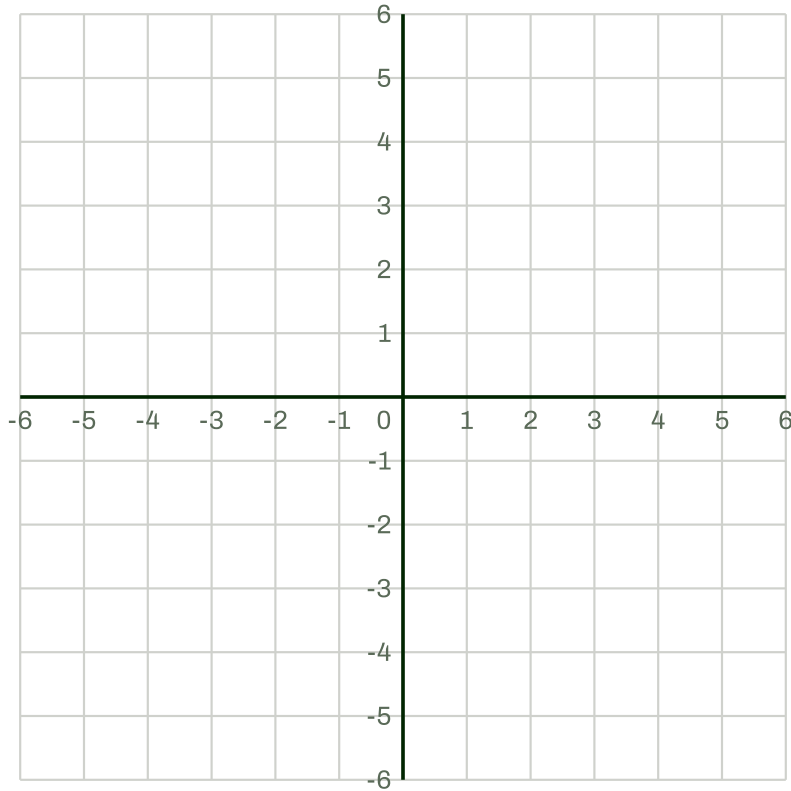
9

Triangle P, with vertices $(-1, 1)$, $(4, 2)$ and $(2, -5)$, is drawn on the coordinate plane below. Triangle P is reflected across the line $y = x$. What are the vertices of the image?



- ☐ $(1, 1), (-4, 2), (-2, -5)$
 ☐ $(-1, -1), (4, -2), (2, 5)$
 ☐ $(1, -1), (2, 4), (-5, 2)$
☐ $(-1, 1), (-2, -4), (5, -2)$

- 10** A triangle has vertices $(-3, -3)$, $(1, -2)$ and $(3, -4)$. The triangle is reflected across the x-axis. Plot the image of the vertex $(-3, -3)$.



Reflect a figure across a line

1 $(-4, 5), (-1, 1), (1, 4)$

2 $-2, 4$

3 $(2, -1), (-2, 4), (5, 0)$

4 $1, -5$

5 $(-5, -1), (4, 2), (-5, 2)$

6 $3, 3$

7 $(-5, 0), (-2, -3), (-1, 3)$

8 $-2, -5$

9 $(1, -1), (2, 4), (-5, 2)$

10 $-3, 3$