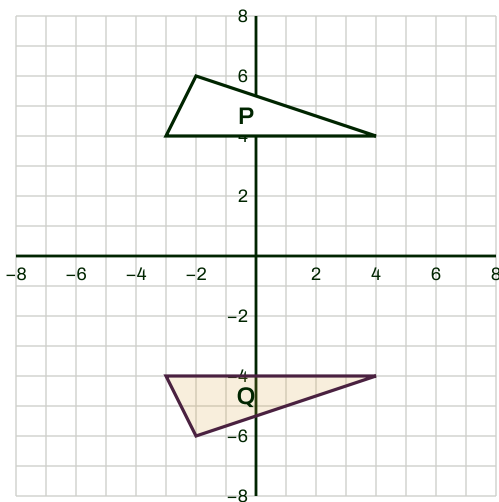


Identify the transformation mapping a figure to its image

NAME	DATE	SCORE / 10
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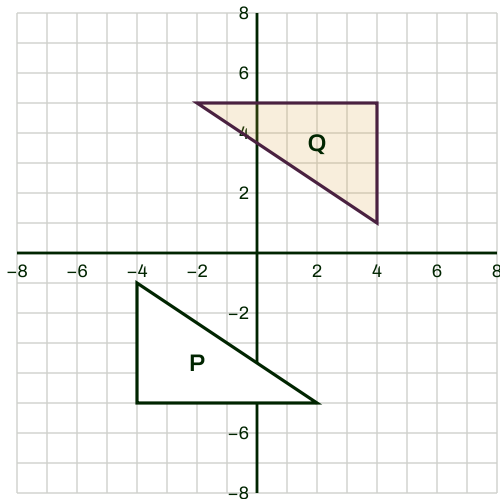
- 1** Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Reflect across the x-axis ☐ Rotate 180° about the origin
☐ Rotate 90° counterclockwise about the origin ☐ Reflect across the y-axis

2

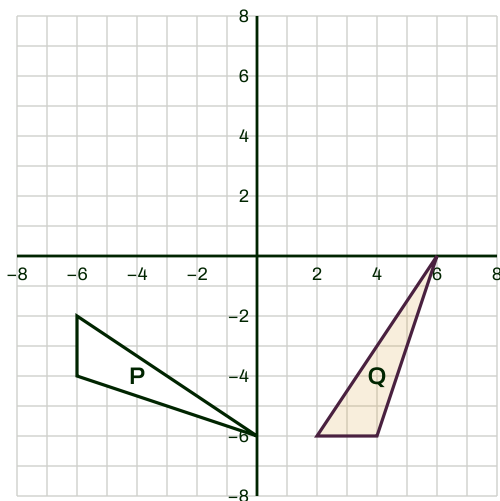
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Rotate 90° counterclockwise about the origin ☐ Rotate 90° clockwise about the origin
☐ Reflect across the y-axis ☐ Rotate 180° about the origin

3

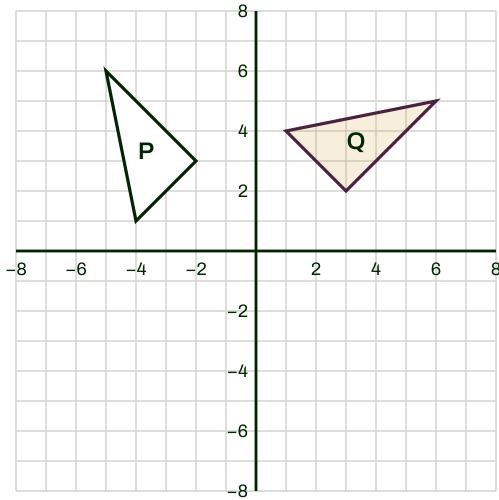
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Rotate 90° counterclockwise about the origin ☐ Rotate 180° about the origin
☐ Rotate 90° clockwise about the origin ☐ Reflect across the y-axis

4

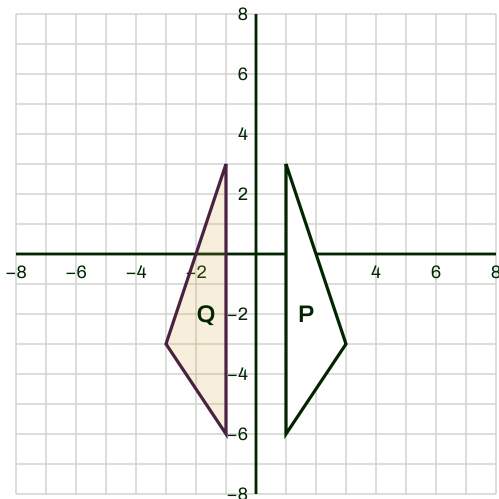
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Rotate 90° counterclockwise about the origin ☐ Reflect across the y-axis
☐ Rotate 180° about the origin ☐ Rotate 90° clockwise about the origin

5

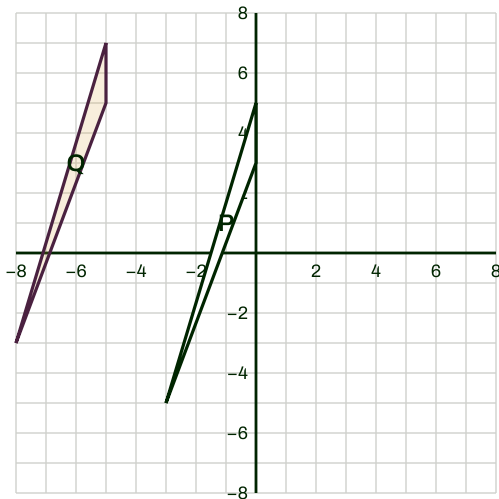
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Reflect across the y-axis ☐ Rotate 180° about the origin
☐ Rotate 90° counterclockwise about the origin ☐ Reflect across the x-axis

6

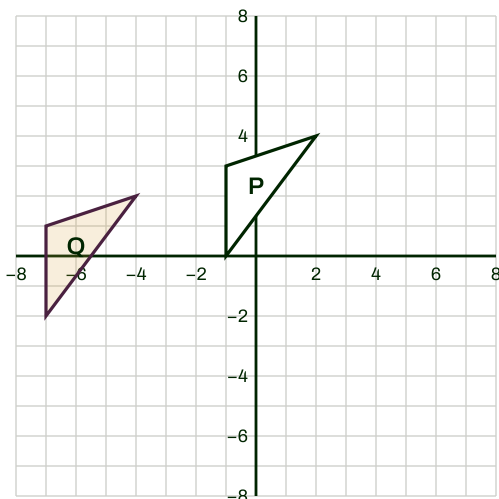
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Translate 5 right and 2 up
 ☐ Translate 5 left and 2 up
 ☐ Translate 2 right and 5 down
☐ Translate 5 right and 2 down

7

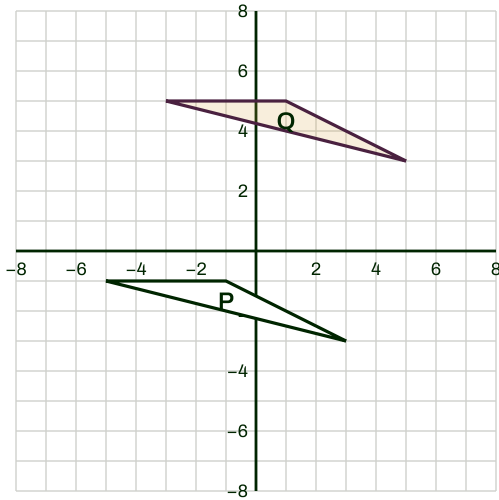
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Translate 6 right and 2 up
 ☐ Translate 6 right and 2 down
 ☐ Translate 6 left and 2 down
☐ Translate 2 left and 6 down

8

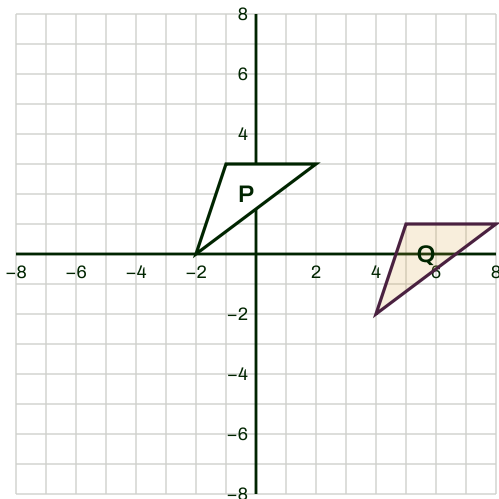
Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Translate 2 right and 6 up
 ☐ Translate 2 left and 6 up
 ☐ Translate 6 right and 2 up
☐ Translate 2 left and 6 down

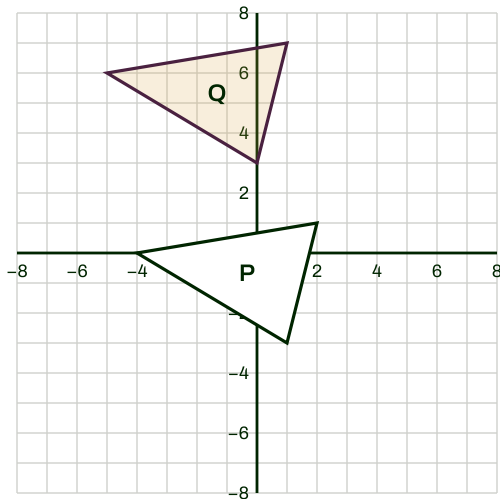
9

Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Translate 6 left and 2 down
 ☐ Translate 2 left and 6 up
 ☐ Translate 6 left and 2 up
☐ Translate 6 right and 2 down

- 10** Triangle P and its image, triangle Q, are drawn on the coordinate plane below. Which single move maps triangle P onto triangle Q?



- ☐ Translate 1 left and 6 down
 ☐ Translate 1 left and 6 up
 ☐ Translate 6 right and 1 down
☐ Translate 1 right and 6 down

Identify the transformation mapping a figure to its image

1 Reflect across the x-axis

2 Rotate 180° about the origin

3 Rotate 90° counterclockwise about the origin

4 Rotate 90° clockwise about the origin

5 Reflect across the y-axis

6 Translate 5 left and 2 up

7 Translate 6 left and 2 down

8 Translate 2 right and 6 up

9 Translate 6 right and 2 down

10 Translate 1 left and 6 up