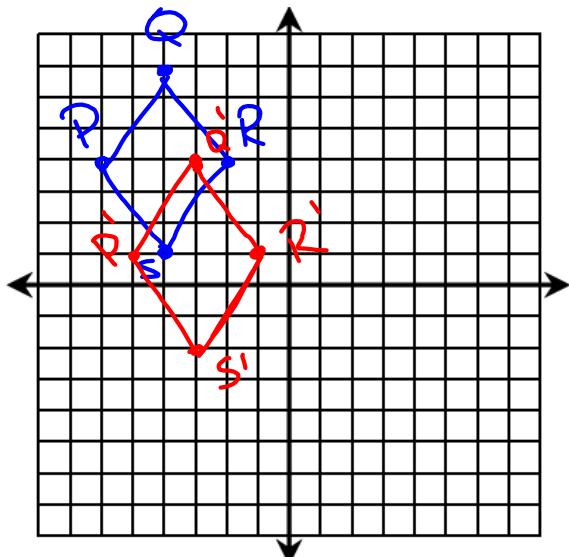


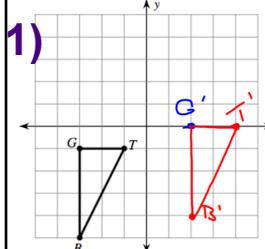
DO NOW

Rhombus PQRS with vertices P (-6, 4), Q(-4, 7), R (-2, 4) and S (-4, 1) translate the figure $(x, y) \rightarrow (x + 1, y - 3)$



$$\begin{aligned}P' &(-5, 1) \\Q' &(-3, 4) \\R' &(-1, 1) \\S' &(-3, -2)\end{aligned}$$

Feb 11-10:36 AM

Homework Answers

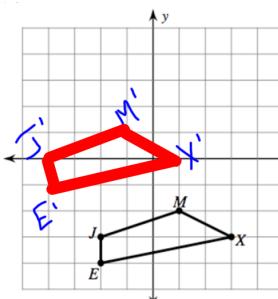
$$(x, y) \rightarrow (x + 5, y + 1)$$

Original New

$$G(-3, -1) \quad G'(2, 0)$$

$$T(-1, -1) \quad T'(4, 0)$$

$$B(-3, -5) \quad B'(2, -4)$$

2)

$$(x, y) \rightarrow (x - 2, y + 3)$$

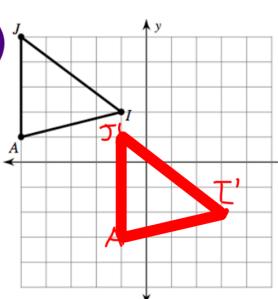
Original New

$$J(-2, -3) \quad J'(-4, 0)$$

$$M(1, -2) \quad M'(-1, 1)$$

$$X(3, -3) \quad X'(1, 0)$$

$$E(-2, -4) \quad E'(-4, -1)$$

3)

$$(x, y) \rightarrow (x + 4, y - 4)$$

Original New

$$A(-5, 1) \quad A'(-1, -3)$$

$$I(-1, 2) \quad I'(3, 2)$$

$$J(-5, 5) \quad J'(-1, 1)$$

$$1. (x, y) \rightarrow (x + 1, y - 3) \quad 2. (x, y) \rightarrow (x - 2, y - 1) \quad 3. (x, y) \rightarrow (x, y + 4)$$

Original New

$$A(4, 3) \quad A'(5, 0)$$

$$L(0, 2) \quad L'(1, -1)$$

$$P(3, -1) \quad P'(4, -4)$$

Original New

$$H(0, 4) \quad H'(-2, 3)$$

$$N(-1, 2) \quad N'(-3, 1)$$

$$Y(3, 4) \quad Y'(1, 3)$$

Original New

$$T(-5, 0) \quad T'(-5, 4)$$

$$P(-4, -3) \quad P'(-4, 1)$$

$$B(-2, -3) \quad B'(-2, 1)$$

Jan 31-11:06 PM

Writing Translation Rules from Words

A. 5 units left and 3 units down

$$(x, y) \rightarrow (x - 5, y - 3)$$

B. 6 units right and 2 units down

$$(x, y) \rightarrow (x + 6, y - 2)$$

C. 3 units left and 5 units up

$$(x, y) \rightarrow (x - 3, y + 5)$$

Feb 8-8:21 AM

Writing Translation Rules from Coordinates

1) A(3, -1) \rightarrow A'(7, 0)

Right 4 units $(x, y) \rightarrow (x + 4, y + 1)$
 Up 1 unit

2) P(-5, 6) \rightarrow P'(-7, 1)

Left 2 units $(x, y) \rightarrow (x - 2, y - 5)$
 Down 5 units

3) K(-8, -4) \rightarrow K'(-1, -7)

$-8 + \square = -1$ $(x, y) \rightarrow (x + 7, y - 3)$

Right 7 units
 Down 3 units

Feb 2-7:00 AM