

- 6) Use arrow notation to write a rule for the translation that moves a figure 11 units to the left and 9 units down.

Rule: $(x, y) \rightarrow (x - 11, y - 9)$

- 7) Use arrow notation to write a rule that describes the translation of a point from $(0, -2)$ to $(1, -4)$.

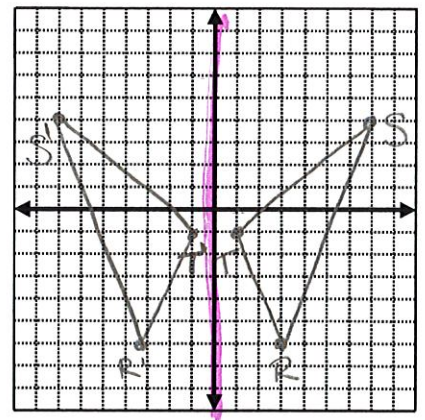
Rule: $(x, y) \rightarrow (x + 1, y - 2)$

- 8) Reflect $\triangle RST$ with the vertices $R(3, -6)$; $S(7, 4)$; and $T(1, -1)$ over the y -axis. What are the coordinates of the image of the reflection?

R' $(-3, -6)$

S' $(-7, 4)$

T' $(-1, -1)$



- 9) Point $A(7, 5)$ is reflected over the x-axis. Write the coordinate of A' .

a. $(7, 5)$

b. $(-7, -5)$

c. $(7, -5)$

d. $(-7, 5)$

- 10) Rotate $\triangle DFH$ 90° about the origin. $D(4, 4)$, $F(5, -3)$, and $H(2, -1)$. What are the coordinates of its image?

D' $(4, -4)$

F' $(-3, -5)$

H' $(-1, -2)$

