

Station 1:

Choose 3 problems

a. Translate point $A(3, 4)$ using the rule
 $(x, y) \rightarrow (x - 3, y - 4)$

b. Translate point $A(3, 4)$ using the rule
 $(x, y) \rightarrow (x + 3, y + 4)$

c. Translate point $A(3, 4)$ using the rule
 $(x, y) \rightarrow (x - 5, y)$

d. Translate point $A(3, 4)$ using the rule
 $(x, y) \rightarrow (x + 6, y - 2)$

Station 2:

Choose 3 problems

a. Translate the points $A(-3, 4)$ and $B(-1, -2)$ two right and five down

b. Translate the points $A(-3, 4)$ and $B(-1, -2)$ two left and one down

c. Translate the points $A(-3, 4)$ and $B(-1, -2)$ six up and two left

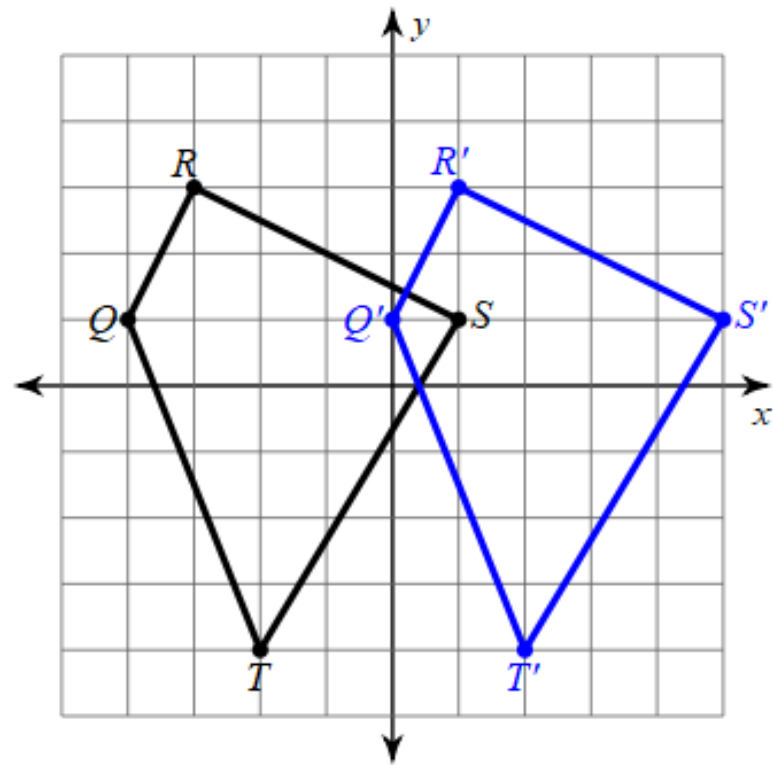
d. Translate the points $A(-3, 4)$ and $B(-1, -2)$ three up and three down

Station 3:

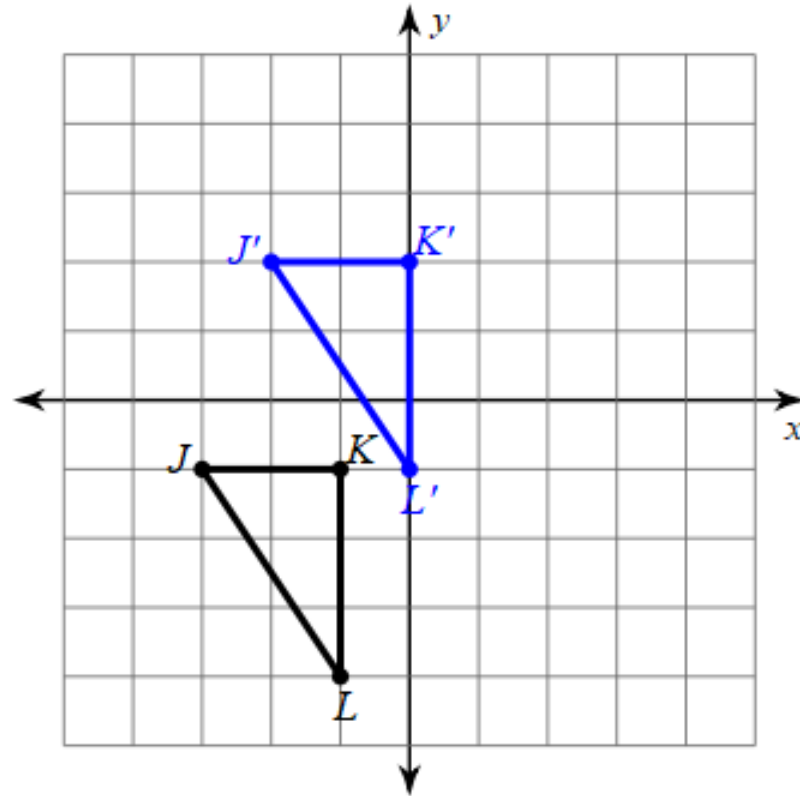
Choose 2 problems

Write the translation rule in words.

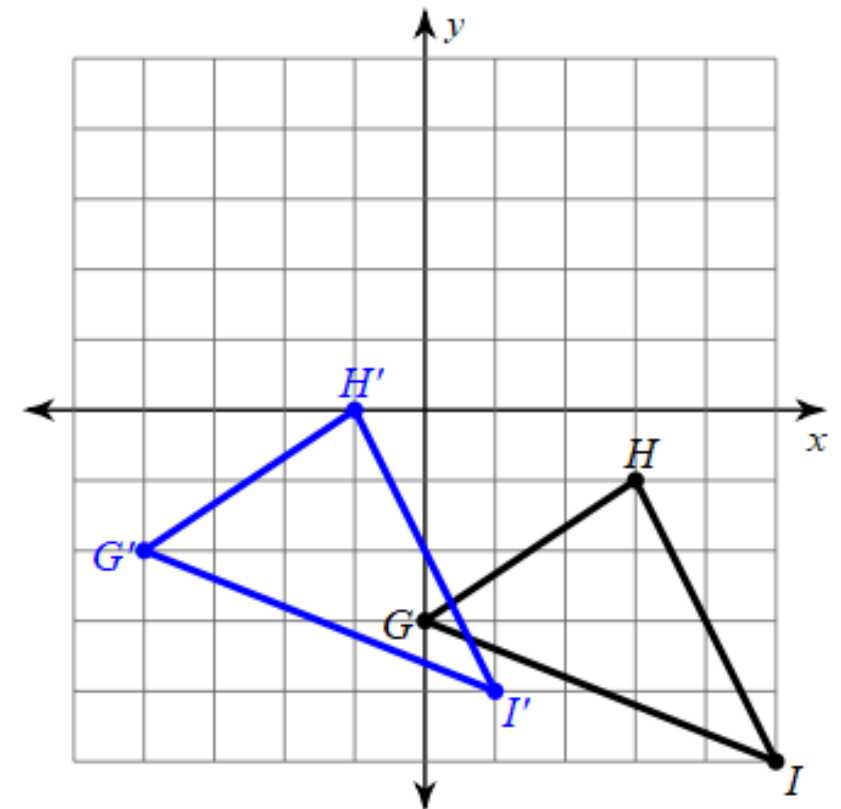
A



B



C

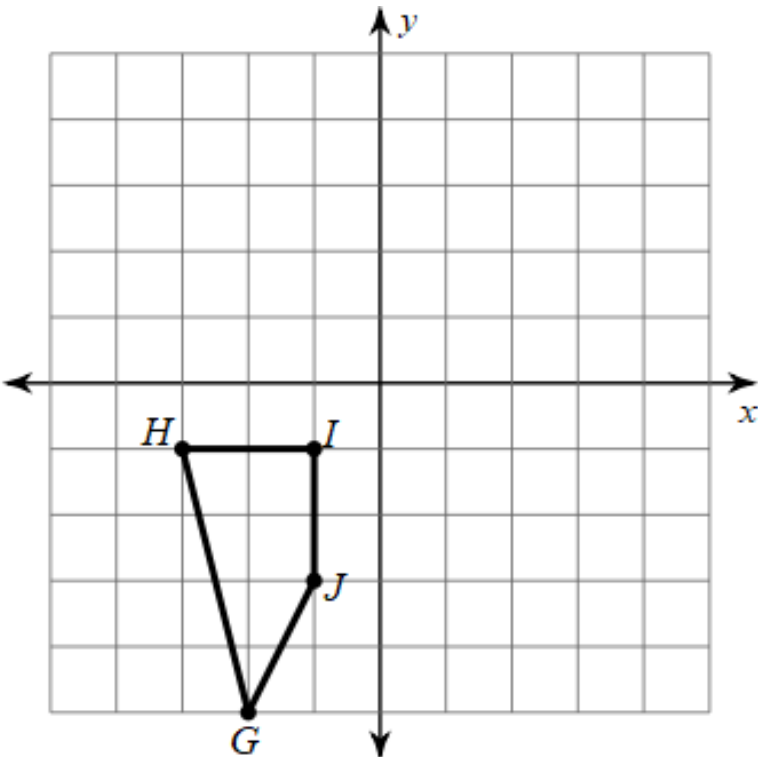


Station 4:

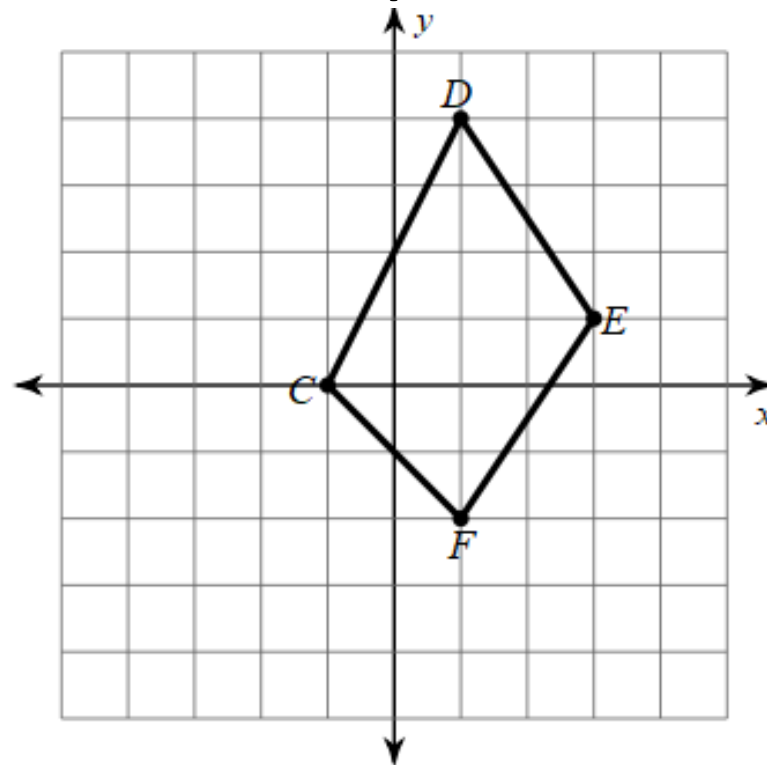
Choose 2 problems

Write the new coordinates.

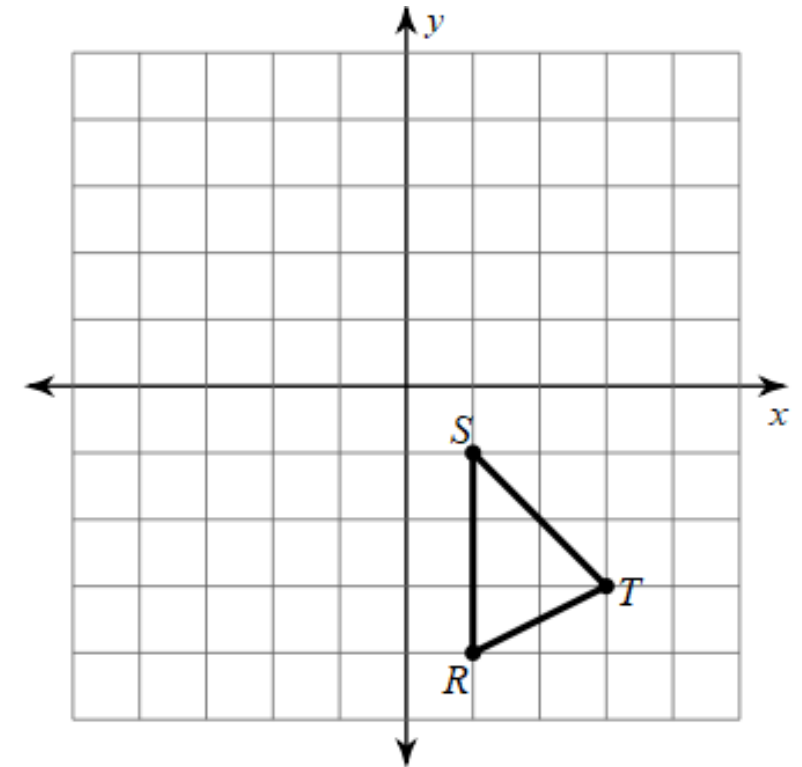
A. 1 unit right
and 2 units down



B. 1 unit left and
3 units up



C. 2 units right



Station 5:

Choose 3 problems

Write the translation rule in arrow notation.

a. $A(-2, 4), B(1, 2) \rightarrow A'(0, 6), B'(3, 4)$

b. $A(-2, 4), B(1, 2) \rightarrow A'(-4, 4), B'(-1, 2)$

c. $A(-2, 4), B(1, 2) \rightarrow A'(2, 2), B'(5, 0)$

d. $A(-2, 4), B(1, 2) \rightarrow A'(-2, 0), B'(1, -2)$

Station 6:

Choose 3 problems

Find the **pre-image** using $(x + 1, y - 4)$

a. A _____, B _____ $\rightarrow A'(0, 6), B'(3, 4)$

b. A _____, B _____ $\rightarrow A'(-4, 4), B'(-1, 2)$

c. A _____, B _____ $\rightarrow A'(2, 2), B'(5, 0)$

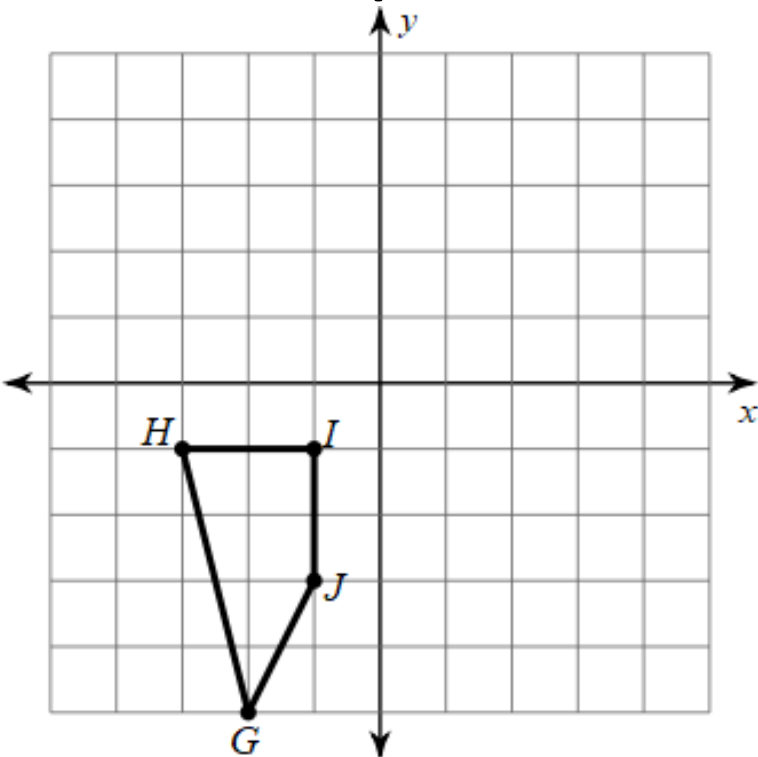
d. A _____, B _____ $\rightarrow A'(-2, 0), B'(1, -2)$

Station 7:

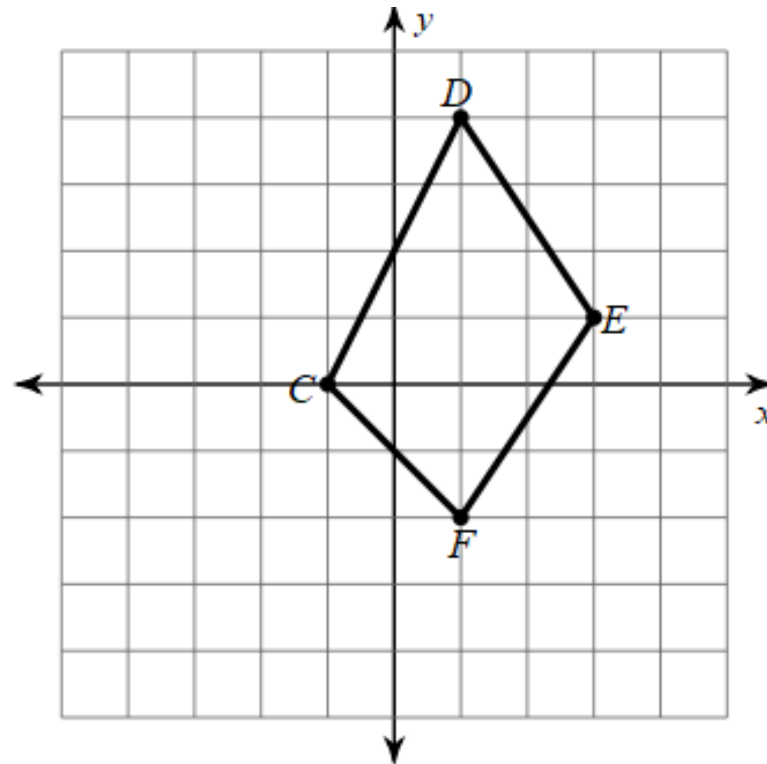
Choose 2 problems

Graph the image and pre-image.

A. 1 unit left and
2 units up



B. 2 units right
and 3 units down



C. 2 units left

