

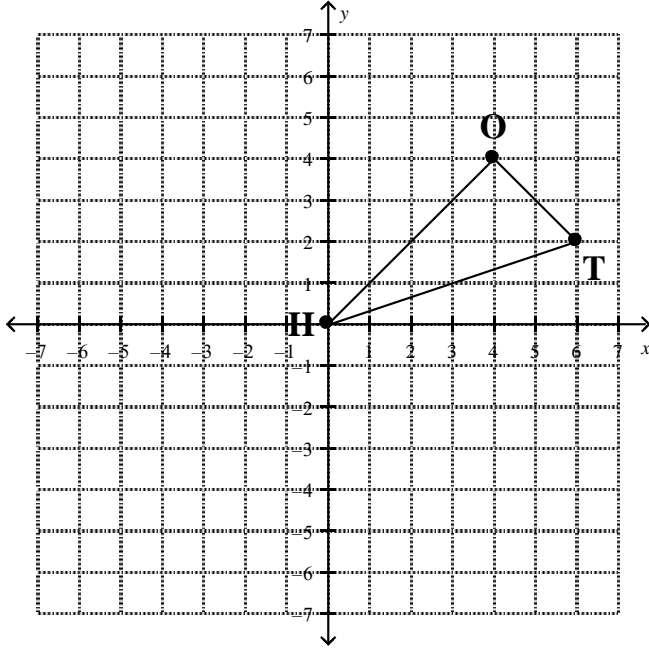
Name: _____

Date: _____

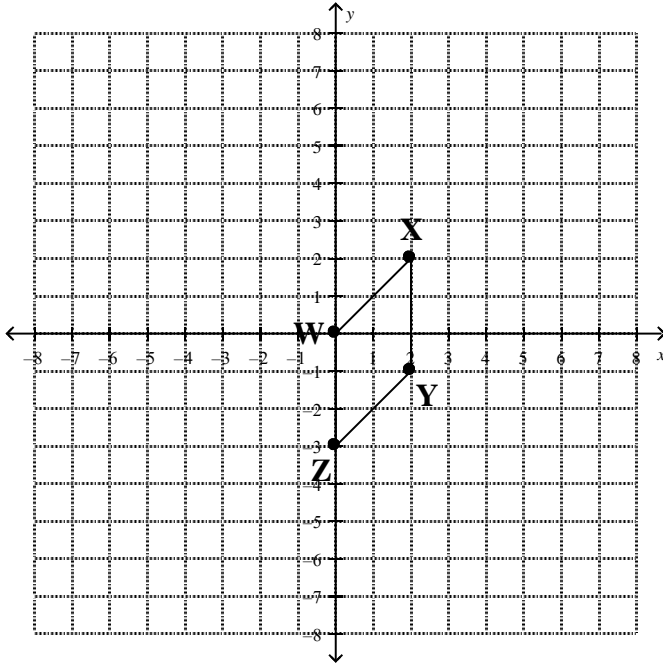
Translations Practice

Class: _____

1. Draw the translation of the triangle *HOT* six units left and one unit down. Label the image *H'O'T'*. Is the image similar or congruent? How do you know?

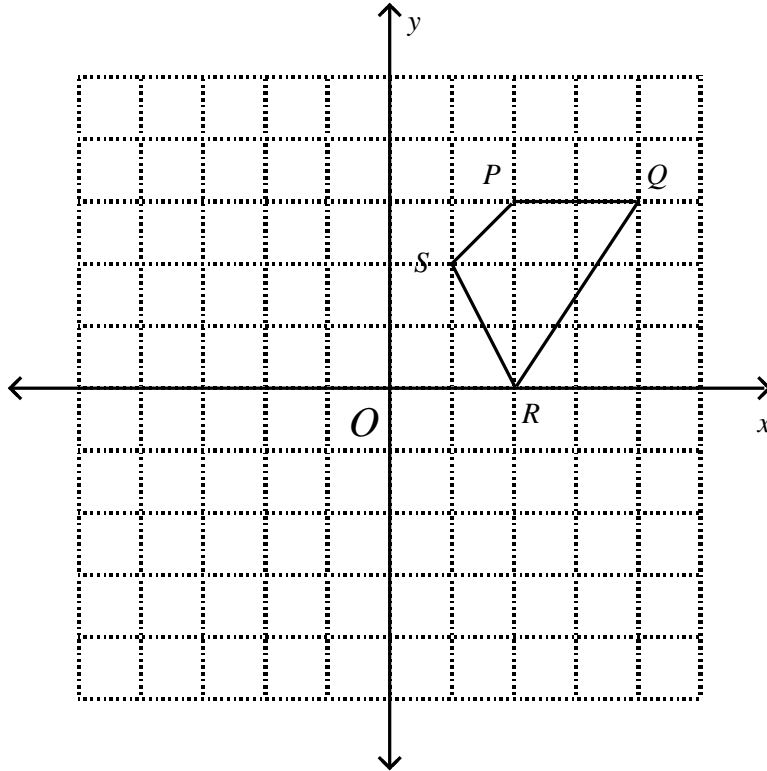


2. Find the translation of the quadrilateral *WXYZ* under the rule $(x, y) \rightarrow (x - 2, y + 4)$.



3. Quadrilateral $PQRS$ is plotted on the grid below.

On the graph, draw the translation of polygon $PQRS$ three units to the left and four units down. Label the image $P'Q'R'S'$.



Now create polygon $P''Q''R''S''$ by translating polygon $P'Q'R'S'$ using the rule $(x, y) \rightarrow (x + 2, y + 1)$. What will be the coordinates of point Q'' ?

Answer _____

On the lines below, write a single translation rule from polygon $PQRS$ to polygon $P''Q''R''S''$.
