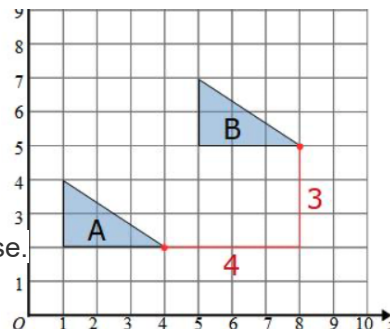


Unit 3 Study Guide

1) What are 5 ways to prove the congruent part of the congruent triangle is congruent?

2) Triangle FGH is translated 4 right and 3 up

Determine whether each statement in the table is true or false.



Statement	True	False
The measure of angle F is less than the measure of angle F' .	<input type="radio"/>	<input type="radio"/>
Side FH is the same length as side $F'H'$.	<input type="radio"/>	<input type="radio"/>
Angle H has the same measure as angle H' .	<input type="radio"/>	<input type="radio"/>

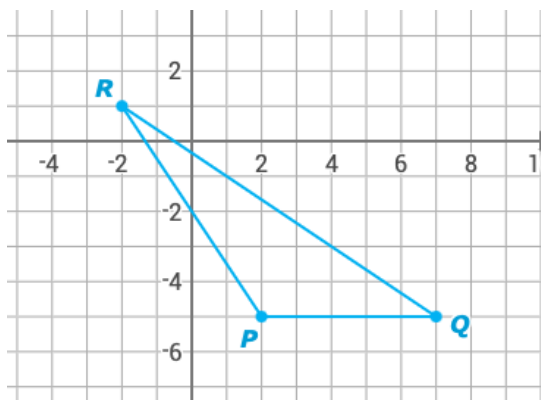
3) Which transformation results in a figure similar but not congruent to its image?

4) Write the coordinates of the vertices after a translation 8 units left and 5 units down.

P' (_____, _____)

Q' (_____, _____)

R' (_____, _____)

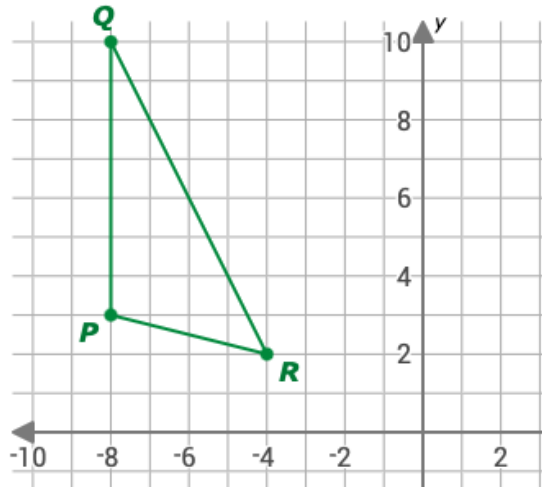


5) Write the coordinates of the vertices after a rotation 270° counterclockwise

P' (,)

Q' (,)

R' (,)



6) Point W is in Quadrant 2 and is reflected across the x -axis and then rotated 180° counterclockwise about the origin. In which quadrant is the image of point W ?

7) Triangles GHI and NMO are congruent. Which of the following statements are true? Select True or False for each statement.

Statement	True	False
$\overline{HI} \cong \overline{MO}$	<input type="radio"/>	<input type="radio"/>
$\overline{GI} \cong \overline{NO}$	<input type="radio"/>	<input type="radio"/>
$\angle HGI \cong \angle MON$	<input type="radio"/>	<input type="radio"/>
$\angle GHI \cong \angle MNO$	<input type="radio"/>	<input type="radio"/>

8) Make sure you've reviewed 5 ways to prove the congruent part of the congruent triangle is congruent!!!!!!!!!!!!!!