1. Write a rule for the following transformations and explain how you know the two shapes are congruent.



1. Pick one problem from #1 and write out the three corresponding sides and the three corresponding angles.
2. Given point J is (2, -3), point A is (2, 5), and point B is (4, 4), reflect over the line y=x.
3. What sequence of transformations will carry the pre-image to the final image in the drawing?
* First Transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Second Transformation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Rule: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Label the quadrants on the

graph.

1. Which quadrant is the only

one that does not contain

a triangle?



y=0





rotation 180° about the origin

For numbers 7 & 8, use what you know about isometric transformations to find all missing measurements.

Q

P

12cm

P’

15cm

R

R’

Q’

A’

B’

C’

11

7

13

1.

52°

47°

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_

Geometry Unit 2 Assessment Review

Determine where each bullet should be placed in the Venn diagram.

* 90° Clockwise
* Across the line x=3
* Area and Perimeter stay the same.
* Preserves side lengths
* Angles measures stay the same
* Isometric
* Coordinates of the points stays the same.
* Orientation of the points stays the same.
* Distance between image & pre-image is preserved.

Translations

Rotations

Reflections