Unit 1 Test Study Guide

1. What transformations are congruent?
2. What transformation is similar?
3. The sum of the interior angles of a triangle equals?
4. Know how to find the measures of exterior angles of a triangle?
5. Name one word that describes each transformation.

Reflection:

Rotation:

Transformation:

1. Rotating a point 90° clockwise about the origin is the same as rotating the figure \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. If Q(5,-4) is rotated 90° clockwise about the origin, where is Q’ ( , )?
3. If a dilation has a scale factor of 1, is it congruent or similar?
4. If a dilation has a scale factor of 1/3, is it congruent or similar?
5. What special angle pairs are congruent?

To write an equation set the measurements equal to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. What special angle pairs are supplementary?

To write an equation set the measurements equal to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. Draw a figure that has been reflected over the x-axis.
2. Draw a figure that has been reflected over the y-axis.
3. If G(2,2) is reflected over the y-axis, where is G’( , )?
4. What are the translation rules?
5. What are the reflection rules?
6. What are the rotation rules?
7. What are the dilation rules?
8. True or False. Congruent figures have the same shape and size.
9. What is the scale factor? L(30,40) → L’(3,4)

Notes: