|  |  |
| --- | --- |
| with ,  and, find the coordinates of image  and label the points,  and are corresponding to the points of pre-image.  A  C  B | |
| Find the measures of all three sides of pre-image and image. | 1. Classify the triangles by its sides. 2. Base on the pre-image and the image on the grid, are the two figures congruent? Why? 3. Write congruence statements of congruent triangles and explain. 4. Name all the other corresponding congruent parts of two congruent figures. |

1. Rotate about the origin clockwise and plot and label the points,, of image in the coordinate plane.

B

C

1. Is the image congruent to the pre-image?

A

Explain.

1. Reflect the image over the  axis, is the

reflection image congruent to the origional

one? Explain.

1. Prove by using SSS postulate.
2. Prove by using SAS postulate.