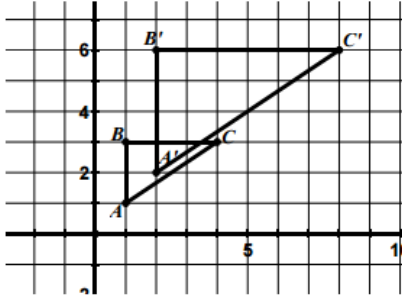


Directions: In the following problems, one figure has been dilated to obtain a new figure. Determine the scale factor and center of dilation. Determine the coordinate rule for the dilation when asked.

1. In the picture below,  $\Delta ABC$  has been dilated to obtain  $\Delta A'B'C'$ .

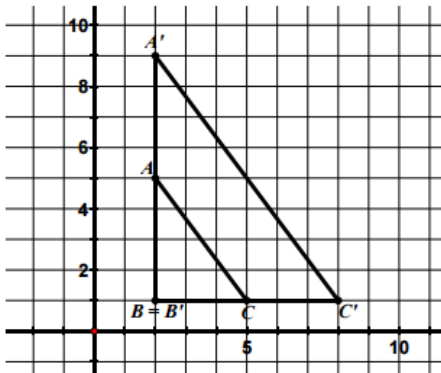


Scale Factor: \_\_\_\_\_

Center of Dilation: \_\_\_\_\_

Coordinate Rule: \_\_\_\_\_

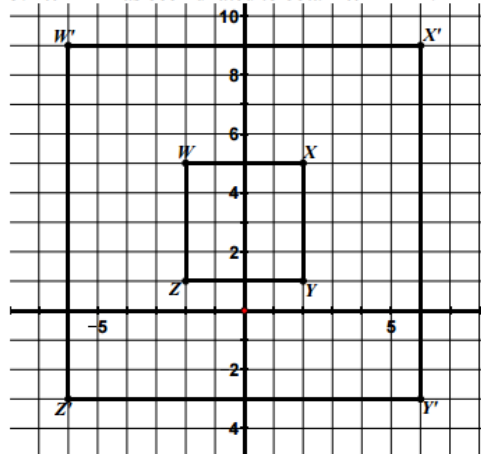
2. In the picture below,  $\Delta ABC$  has been dilated to obtain  $\Delta A'B'C'$ .



Scale Factor: \_\_\_\_\_

Center of Dilation: \_\_\_\_\_

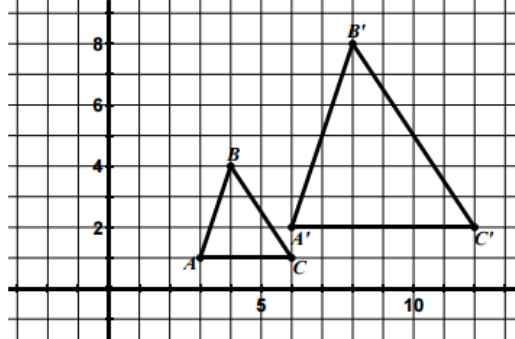
5.  $WXYZ$  has been dilated to obtain  $W'X'Y'Z'$ .



Scale Factor: \_\_\_\_\_

Center of Dilation: \_\_\_\_\_

3. In the picture below,  $\Delta ABC$  has been dilated to obtain  $\Delta A'B'C'$ .

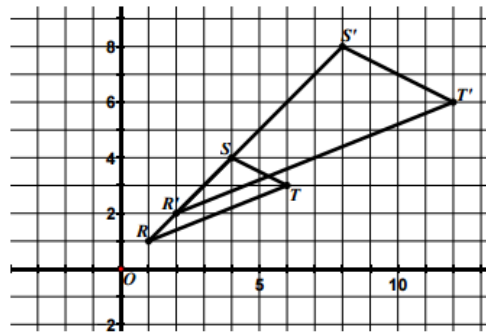


Scale Factor: \_\_\_\_\_

Center of Dilation: \_\_\_\_\_

Coordinate Rule: \_\_\_\_\_

4. In the picture below,  $\Delta ABC$  has been dilated to obtain  $\Delta A'B'C'$ .

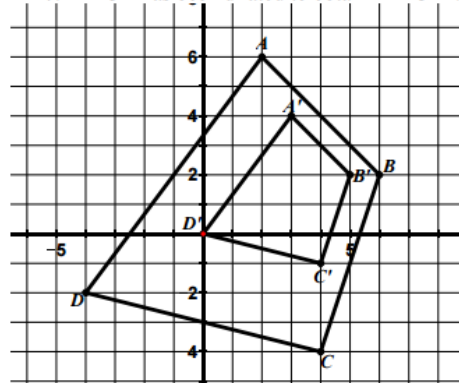


Scale Factor: \_\_\_\_\_

Center of Dilation: \_\_\_\_\_

Coordinate Rule: \_\_\_\_\_

7.  $ABCD$  has been dilated to obtain  $A'B'C'D'$ .



Scale Factor: \_\_\_\_\_

Center of Dilation: \_\_\_\_\_

Directions: Find the image of each figure for a dilation with the given center and scale factor. Draw and label the image.

