Determine the scale factor that was used to dilate the following figures.
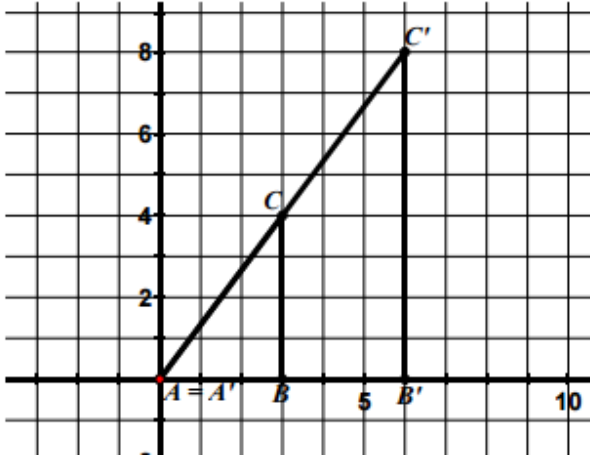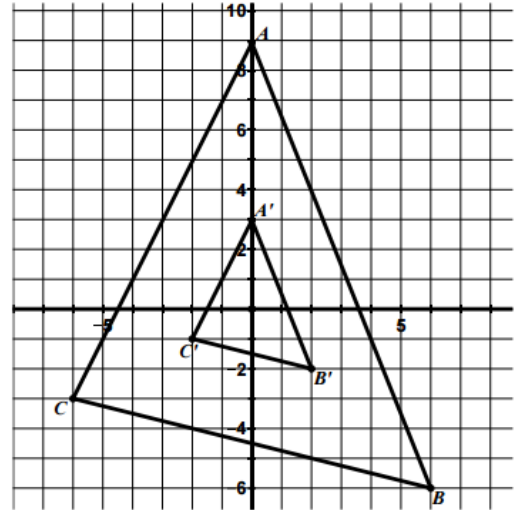
1. In the picture below, △ABC has been dilated to obtain △A'B'C'.

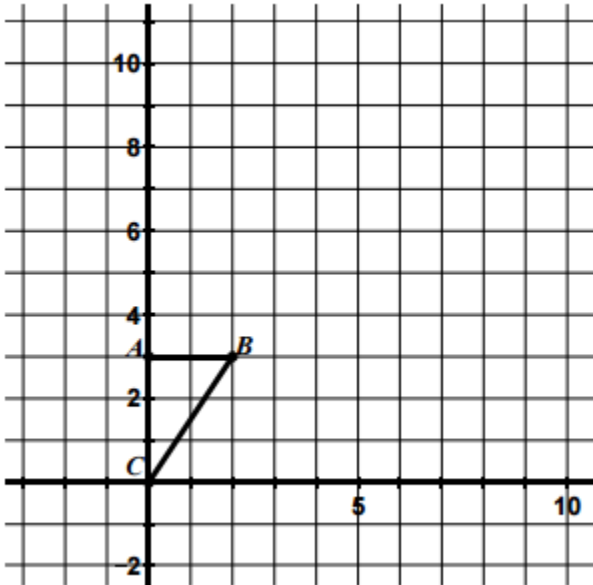2. In the picture below, △ABC has been dilated to obtain △A'B'C'.
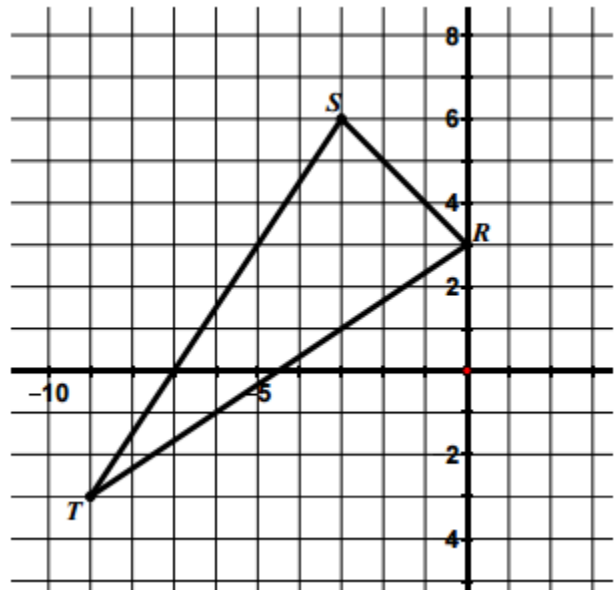

Dilate the following figures using the given scale factor.

3. Scale Factor = 2

4. Scale Factor = $\frac{1}{3}$

5. Determine if the following properties of translations also hold true for dilations.

Properties of Translations	Also true for Dilations? Yes or No
Segments connecting the corresponding vertices of the image and pre-image are the same length.	
Segments connecting the corresponding vertices of the image and pre-image are parallel to each other.	
Corresponding segments in the image and pre-image are the same length.	
Corresponding angles in the image and pre-image have the same measure.	
Parallel lines in the pre-image remain parallel lines in the image.	
Corresponding segments in the image and pre-image have the same slope.	