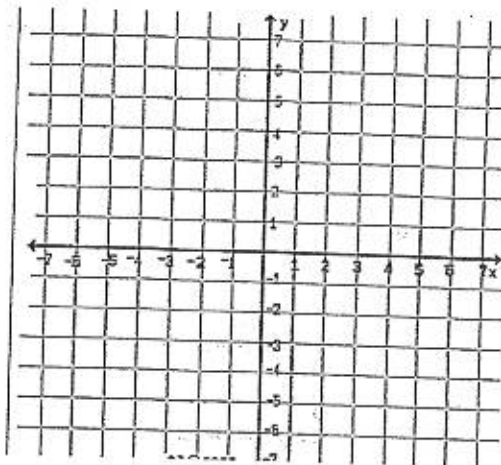


Similar Figure Practice

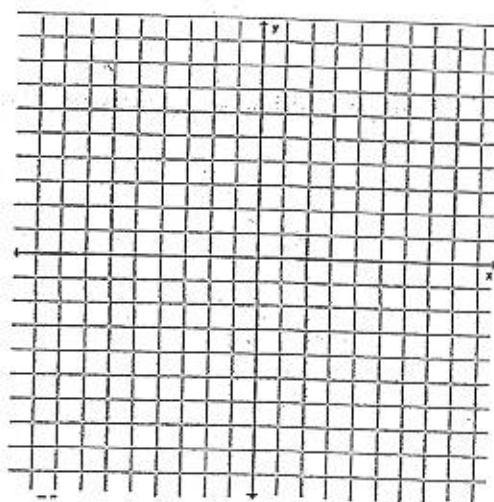
1. The vertices of a triangle are $A(-5, 5)$, $B(-2, -5)$, and $C(-2, 0)$. Find the coordinates of the image after a dilation with the given scale factor.

4. $k = \frac{1}{2}$ 5. $k = 0.75$ 6. $k = \frac{1}{5}$

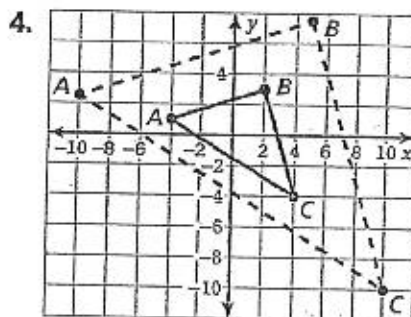
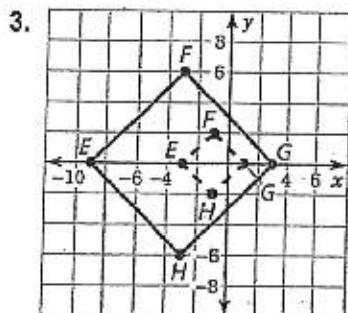


2. The vertices of a triangle are $A(2, 2)$, $B(2, 5)$, and $C(4, 2)$. Find the coordinates of the image after a dilation with the given scale factor.

1. $k = 2$ 2. $k = 5$ 3. $k = 1\frac{1}{2}$

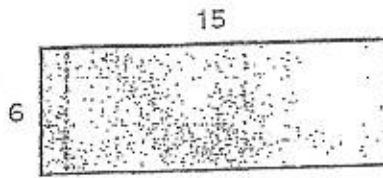
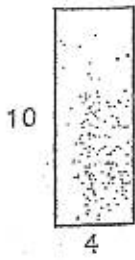


The dashed figure is a dilation of the solid figure. Identify the type of dilation and find the scale factor.

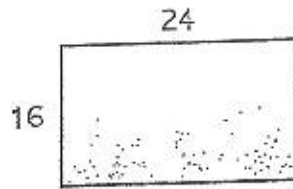
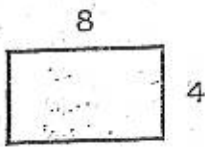


Determine if the following pairs of shapes are similar. Explain your response!

7.

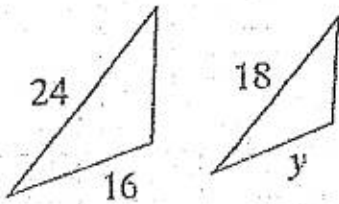


8.

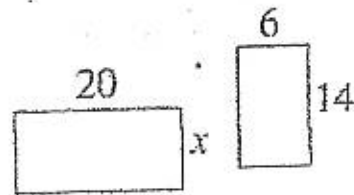


Find the missing side for each of the similar shapes below. Show your work!

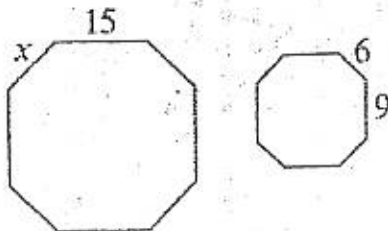
9.



10.



11.



12.

