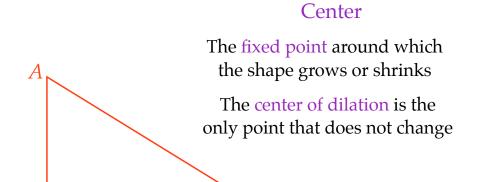
A transformation whose preimage and image are similar.

Scale Factor, k

How much the object grows or shrinks

If k > 1, enlargement

If 0 < k < 1, reduction



A transformation whose preimage and image are similar.

Scale Factor, k

$$k = 1.5$$

Center

Center: C

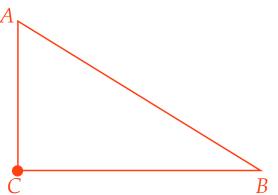
A transformation whose preimage and image are similar.

Scale Factor, k

Center

k = 0.6

Center: C



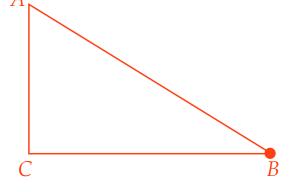
A transformation whose preimage and image are similar.

Scale Factor, k

Center

k = 0.8

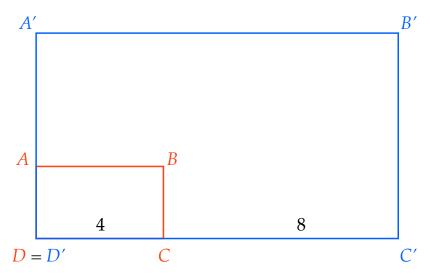
Center: B



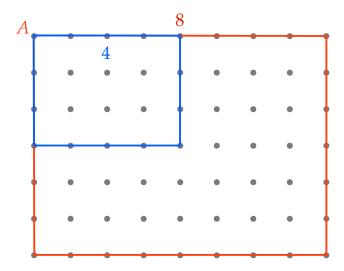
A transformation whose preimage and image are similar.

Scale Factor, k Center k = 1.4 Center: D

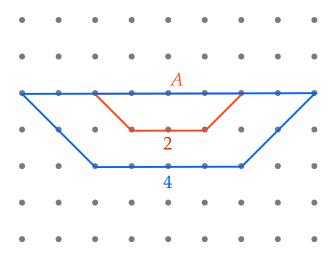
The blue figure is a dilation of the red figure. Determine the scale factor and center of the following dilations.



The blue figure is a dilation of the red figure. Determine the scale factor and center of the following dilations.



The blue figure is a dilation of the red figure. Determine the scale factor and center of the following dilations.

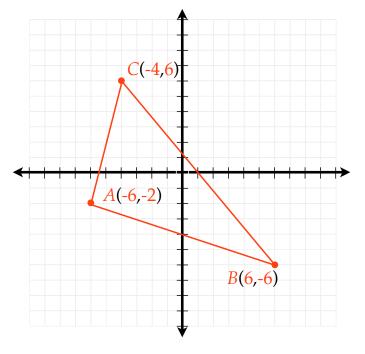


Find the image of the following figure with a scale factor of 1.5 and center at origin (0,0).



$$B(6,-6) \rightarrow$$

$$C(-4,6) \rightarrow$$



Find the image of the following figure with a scale factor of 0.5 and center at origin (0,0).

$$W(-8,-2) \rightarrow$$

$$X(6,-10) \rightarrow$$

$$Y(4,4) \rightarrow$$

$$Z(-4.8) \rightarrow$$

