



Points (x, y)	Scale factor of 2	Scale factor of 1/2
A		
B		
C		
D		

Rules Governing Dilations

When dilating a figure...

- the figure enlarges when the scale factor is _____
- the figure shrinks when the scale factor is _____
- if the dilation is centered at the origin, the coordinates of the vertices of the preimage can be multiplied by the scale factor to yield the dilated image
- the horizontal and vertical distance from the vertices to the point of dilation also increases/decreases by the scale factor
- if you connect the same preimage and dilated vertices with lines, the point of intersection of the lines will be the point of dilation