

Quiz: Dilations

Answer the following questions about dilations.

1	Under a dilation of scale factor 3 with the center at the origin, if $B(5,4)$ , what will be the coordinates of the of point $B'$ ?		2	What is the scale factor of the dilation (with center at the origin) if point $Q(5,8)$ becomes $Q'(15,24)$ ?	
3	Under a dilation of scale factor 8 with the center at the origin, if $B(3,6)$ , what will be the coordinates of the of point $B'$ ?		4	What is the scale factor of the dilation (with center at the origin) if point $Q(6,4)$ becomes $Q'(24,16)$ ?	
5	Under a dilation of scale factor 4 with the center at the origin, if $B(6,4)$ , what will be the coordinates of the of point $B'$ ?		6	What is the scale factor of the dilation (with center at the origin) if point $Q(12,15)$ becomes $Q'(60,75)$ ?	
7	Under a dilation of scale factor 2 with the center at the origin, if $B(5,1)$ , what will be the coordinates of the of point $B'$ ?		8	What is the scale factor of the dilation (with center at the origin) if point $Q(5,8)$ becomes $Q'(25,40)$ ?	

Indicate whether the graph shows the dilation is true or false.

	9	
	10	

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%