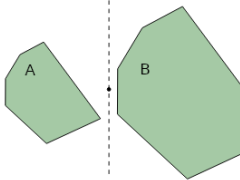




Dilate figures from the origin

1

Is the transformation of shape A into shape B a Dilation?

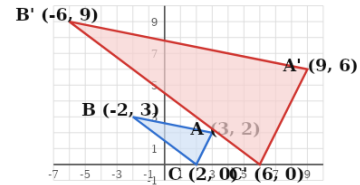


A Dilation

B Not a Dilation

2

Is the dilation from triangle ABC to triangle A'B'C' a reduction or an enlargement?

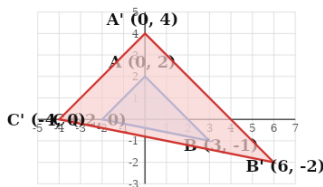


A Enlargement

B Reduction

3

What is the scale factor of the dilation from triangle ABC to triangle A'B'C'?



A 2

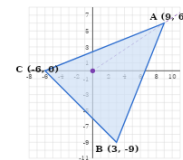
B $\frac{1}{2}$

C $\frac{1}{3}$

D 3

4

Triangle ABC is dilated about the center (0, 0) with a scale factor of $\frac{1}{3}$. What are the coordinates of A', the image of A?



A (0, 1)

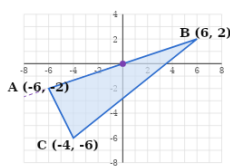
B (3, 3)

C (3, 2)

D (5, 1)

5

Triangle ABC is dilated about the center (0, 0) with a scale factor of $\frac{1}{2}$. What are the coordinates of A', the image of A?



A (-3, -1)

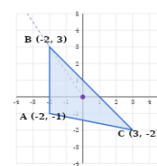
B (-1, -3)

C (-2, -1)

D (-4, -3)

6

Triangle ABC is dilated about the center (0, 0) with a scale factor of 2. What are the coordinates of B', the image of B?



A (-2, 5)

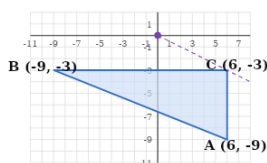
B (-3, 9)

C (-4, 6)

D (-1, 8)

7

Triangle ABC is dilated about the center (0, 0) with a scale factor of $\frac{1}{3}$. What are the coordinates of C', the image of C?



A (0, -2)

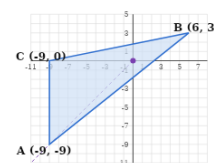
B (3, 0)

C (2, -1)

D (5, -3)

8

Triangle ABC is dilated about the center (0, 0) with a scale factor of $\frac{1}{3}$. What are the coordinates of A', the image of A?



A (0, -6)

B (-3, 0)

C (-1, -2)

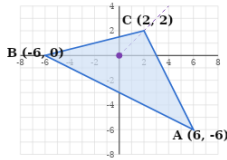
D (-3, -3)



Dilate figures from the origin

9

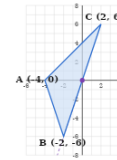
Triangle ABC is dilated about the center $(0, 0)$ with a scale factor of $1/2$. What are the coordinates of C' , the image of C ?



- A $(-2, 3)$ B $(3, 3)$ C $(1, 1)$ D $(0, 1)$

10

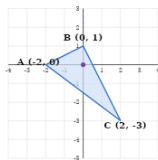
Triangle ABC is dilated about the center $(0, 0)$ with a scale factor of $1/2$. What are the coordinates of B' , the image of B ?



- A $(-1, -5)$ B $(-2, -2)$ C $(-4, -5)$ D $(-1, -3)$

11

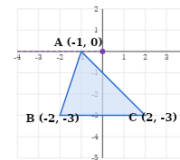
Triangle ABC is dilated about the center $(0, 0)$ with a scale factor of 2. What are the coordinates of B' , the image of B ?



- A $(0, 2)$ B $(2, -1)$ C $(-1, 2)$ D $(-2, 5)$

12

Triangle ABC is dilated about the center $(0, 0)$ with a scale factor of 3. What are the coordinates of A' , the image of A ?



- A $(0, 3)$ B $(-5, -3)$ C $(-3, 0)$ D $(-2, -2)$