

Name:

ANSWERS!

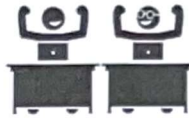
Class:



Communication



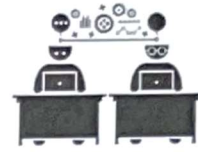
Successful Partnership



Encouragement



Solving Problem Together

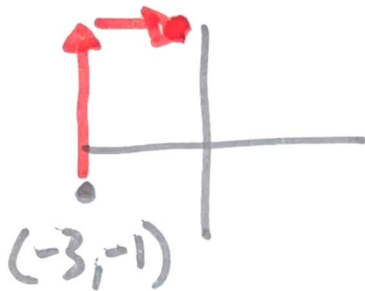


Collaboration

Find the value of x , in degrees, for each of the below!

Question 01

Point A is located at coordinates $(-3, -1)$. Point A is translated 6 units up and 2 units right. What are the coordinates of A'?

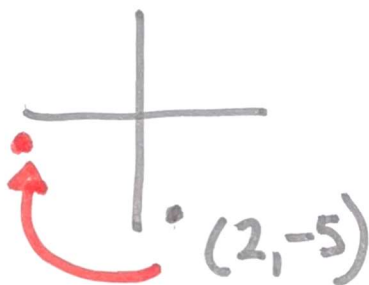


$$\begin{array}{r} (-3, -1) \\ +2 \quad +6 \\ \hline (-1, 5) \end{array}$$

$$(-1, 5)$$

Question 02

Point B is located at coordinates $(2, -5)$. Point B is rotated 90 degrees clockwise about the origin. What are the coordinates of B'?

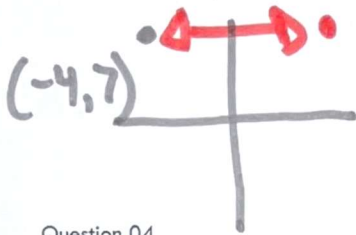


$$\begin{array}{r} (2, -5) \\ \swarrow \searrow \\ (-) \\ \hline (-5, -2) \end{array}$$

$$(-5, -2)$$

Question 03

Point C is located at coordinates $(-4, 7)$. Point C is reflected across the y-axis. What are the coordinates of C' ?



$(-4, 7)$

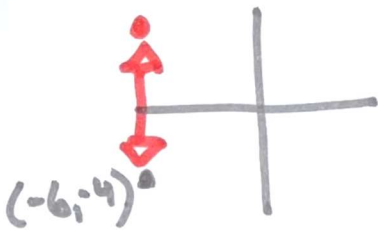
$(-)$ ↓

$(4, 7)$

$(4, 7)$

Question 04

Point D is located at coordinates $(-6, -4)$. Point D is reflected across the x-axis. What are the coordinates of D' ?



$(-6, -4)$

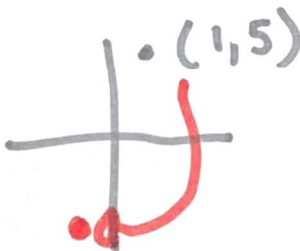
↓ $(-)$

$(-6, 4)$

$(-6, 4)$

Question 05

Point E is located at coordinates $(1, 5)$. Point E is rotated 180 degrees about the origin. What are the coordinates of E' ?



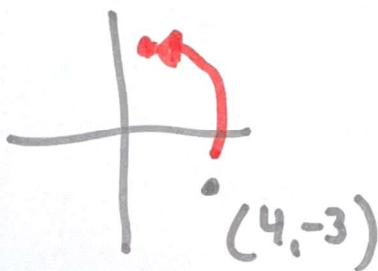
$(1, 5)$

↓ $(-)$ ↓ $(-)$
 $(-1, -5)$

$(-1, -5)$

Question 06

Point F is located at coordinates $(4, -3)$. Point F is rotated 90 degrees counter-clockwise about the origin. What are the coordinates of F' ?



$(4, -3)$

↓ $(-)$ ↓

$(3, 4)$

$(3, 4)$