

180 Degrees Clockwise Rotation About the Origin

How many turns is 180 degrees?

Point	Original Ordered Pair	Ordered Pair after 180 degrees clockwise Rotation about the origin
A		
B		
C		
D		
E		
F		

What do you notice about the crane?

What do you notice about the ordered pairs?

Can you create a rule to describe what happens to ordered pairs when you rotate 180 degrees clockwise about the origin?

180 Degrees Counterclockwise Rotation About the Origin

How many turns is 180 degrees?

Point	Original Ordered Pair	Ordered Pair after 180 degrees counterclockwise Rotation about the origin
A		
B		
C		
D		
E		
F		

What do you notice about the crane?

What do you notice about the ordered pairs?

Can you create a rule to describe what happens to ordered pairs when you rotate 180 degrees counterclockwise about the origin?

Does it matter if the direction (clockwise/counterclockwise) is not listed?

90 Degrees Clockwise Rotation About the Origin

How many turns is 90 degrees?

Point	Original Ordered Pair	Ordered Pair after 90 degrees clockwise Rotation about the origin
A		
B		
C		
D		
E		
F		

What do you notice about the crane?

What do you notice about the ordered pairs?

Can you create a rule to describe what happens to ordered pairs when you rotate 90 degrees clockwise about the origin?

90 Degrees Counterclockwise Rotation About the Origin

How many turns is 90 degrees?

Point	Original Ordered Pair	Ordered Pair after 90 degrees counterclockwise Rotation about the origin
A		
B		
C		
D		
E		
F		

What do you notice about the crane?

What do you notice about the ordered pairs?

Can you create a rule to describe what happens to ordered pairs when you rotate 90 degrees counterclockwise about the origin?

Does it matter if the direction (clockwise/counterclockwise) is not listed?

270 Degrees Clockwise Rotation About the Origin

How many turns is 270 degrees?

Point	Original Ordered Pair	Ordered Pair after 270 degrees clockwise Rotation about the origin
A		
B		
C		
D		
E		
F		

What do you notice about the crane?

What do you notice about the ordered pairs?

Can you create a rule to describe what happens to ordered pairs when you rotate 270 degrees clockwise about the origin?

270 Degrees Counterclockwise Rotation About the Origin

How many turns is 270 degrees?

Point	Original Ordered Pair	Ordered Pair after 270 degrees counterclockwise Rotation about the origin
A		
B		
C		
D		
E		
F		

What do you notice about the crane?

What do you notice about the ordered pairs?

Can you create a rule to describe what happens to ordered pairs when you rotate 270 degrees counterclockwise about the origin?

Does it matter if the direction (clockwise/counterclockwise) is not listed?