Name	Date	
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REFLECTIONSZNOITJAJAS

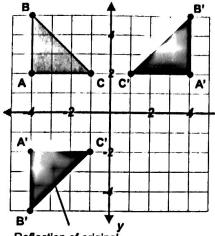
Reflection across the x-axis.

When reflecting across the x-axis, using the original coordinates of your starting point, simply change the sign of the y-value. The x-value should remain the same for any point being reflected across the x-axis.

Example: Reflect figure ABC across the x-axis.

Original Points	Reflected Points
	→ A' (-4,-2)
B(-4,5)	→ B'(-4,-5)
C(-1,2) —	→ C'(-1,-2)

Notice the only thing that changed was the sign of the y-value.



Reflection of original from across the x-axis.

Reflection across the y-axis.

When reflecting across the y-axis, using the original coordinates of your starting point, simply change the sign of the x-value. The y-value should remain the same for any point being reflected across the y-axis.

X Example: Reflect figure ABC across the y-axis.

Original Points	Reflected Points
	→ A' (4,2)
	→ B'(4,5)
C(-1,2) —	→ C'(1,2)

Notice the only thing that changed was the sign of the x-value.



1) Reflect figure ABCD across the x-axis. Draw the reflected figure on the coordinate plane.

What are the new coordinates?

A'

B'

C'

D'

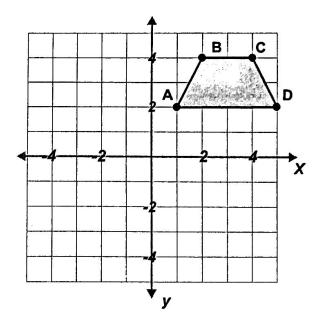
2) Reflect figure ABCD across the y-axis. Draw the reflected figure on the coordinate plane.

What are the new coordinates?

A'

B

D'



- 3) After reflecting figure ABCD across the x-axis, 4) After reflecting figure ABCD across the y-axis, what quadrant did the figure end up in?
 - what quadrant did the figure end up in?



5) If the arrow is reflected across the y-axis, what will the new coordinates be of point A and point B? A' B' 6) If the arrow is reflected across the x-axis, what will the new coordinates be of point A and point B? A' B'	A' B'	
the new coordinates be of point A and point B? A' B'	E) If the arrow is reflected across the x-axis, what will	•
	the new coordinates be or point A and point B? A' B'	200,000

Reflect figure WXYZ across the X-axis. Draw the reflected figure on the coordinate plane.

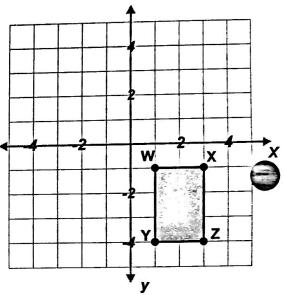
What are the new coordinates?

W

X'

Y

Z'



Reflect triangle MNO across the y-axis. Draw the reflected figure on the coordinate plane.

What are the new coordinates?

M

N

O.

10) Reflect triangle MNO across the x-axis. Draw the reflected figure on the coordinate plane.

What are the new coordinates?

M

N

O'

ID# 0292

