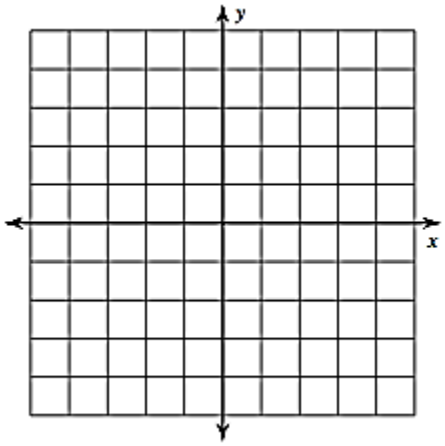
Name: _____

ROTATIONS Worksheet

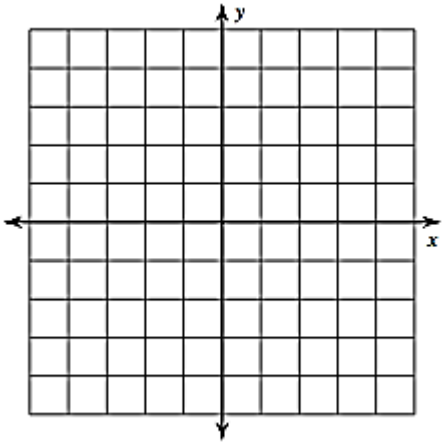
1) Rotate the triangle with the following vertices 180°.

Original Triangle's Coordinates	Rotated Triangle's Coordinates
(x, y)	**(-x, -y)**
(1, 2)	
(4, 2)	
(3, 5)	



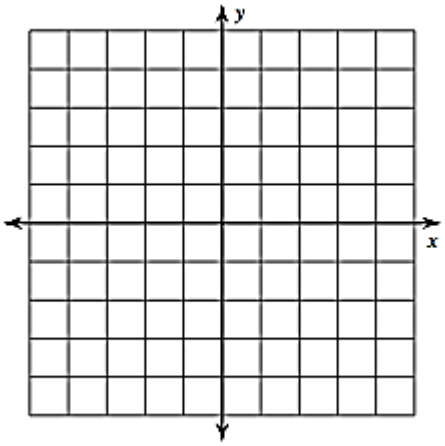
2) Rotate the triangle with the following vertices 90° clockwise.

Original Triangle's Coordinates	Rotated Triangle's Coordinates
(x, y)	**(y, -x)**
(1, 2)	
(4, 2)	
(3, 5)	



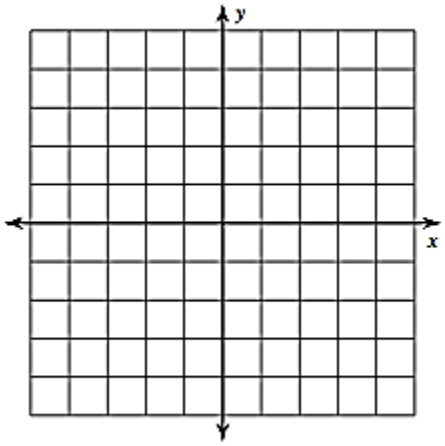
3) Rotate the triangle with the following vertices 90° counterclockwise.

Original Triangle's Coordinates	Rotated Triangle's Coordinates
(x, y)	**(-y, x)**
(1, 2)	
(4, 2)	
(3, 5)	



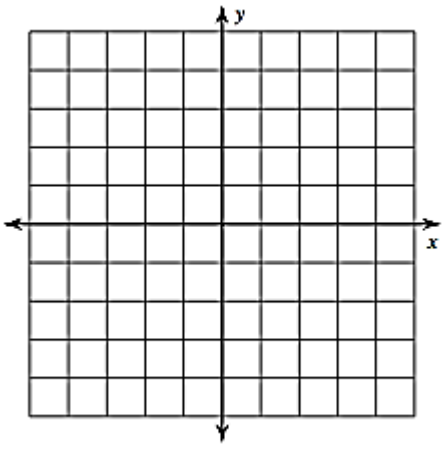
4) Rotate the triangle with the following vertices 180°.

Original Triangle's Coordinates	Rotated Triangle's Coordinates
(x, y)	**(-x, -y)**
(1, -1)	
(2, -2)	
(1, -4)	



5) Rotate the triangle with the following vertices 90° clockwise.

Original Triangle's Coordinates	Rotated Triangle's Coordinates
(x, y)	**(y, -x)**
(1, -1)	
(2, -2)	
(1, -4)	



6) Rotate the triangle with the following vertices 90° counterclockwise.

Original Triangle's Coordinates	Rotated Triangle's Coordinates
(x, y)	**(-y, x)**
(1, -1)	
(2, -2)	
(1, -4)