Rotating Figures
Classwork
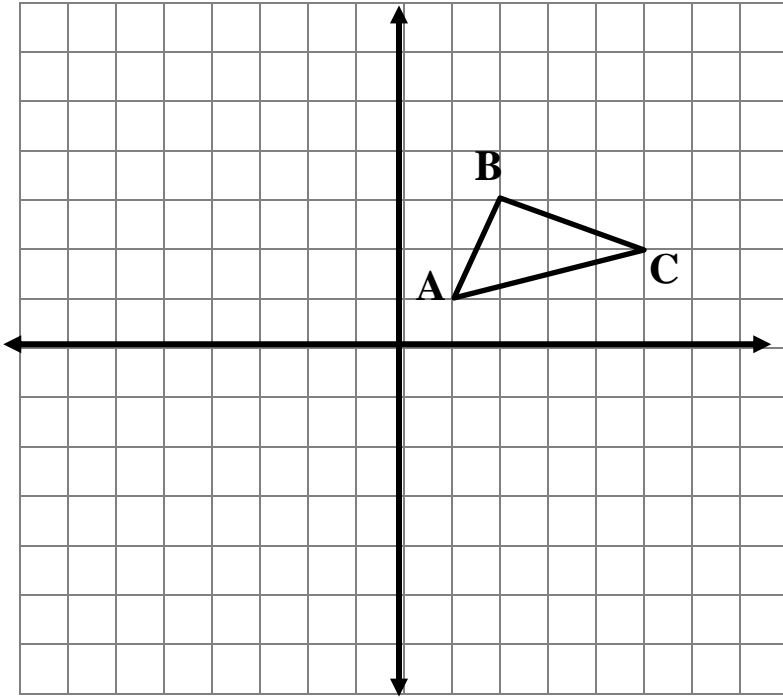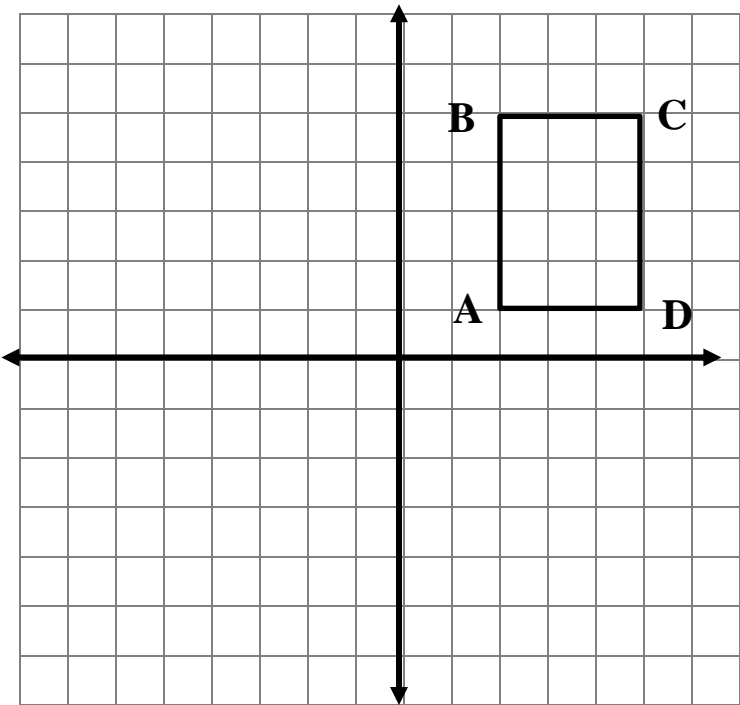
Name: _____
Date: _____ Per. ____

1. Rotate triangle ABC 90˚, 180˚, and 270˚ about the origin. Write the coordinates in arrow format
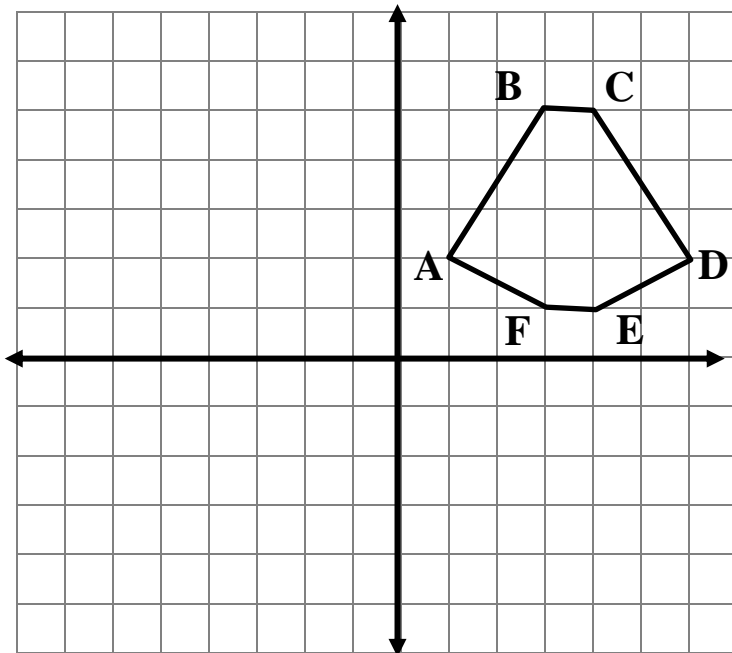

Rotation Angle	Original Coordinate		Rotated Coordinate
90˚	A (1,1)	→	
	B (2, 3)		
	C (5, 1)		
180˚	A (1,1)		
	B (2, 3)		
	C (5, 1)		
270˚	A (1,1)		
	B (2, 3)		
	C (5, 1)		

2. Rotate rectangle ABCD 90˚, 180˚, and 270˚ about point A. Write the coordinates in arrow format

Rotation Angle	Original Coordinate		Rotated Coordinate
90˚		→	
180˚			
270˚			

3. Rotate shape ABCDEF 90˚, 180˚, and 270˚ about the origin.

4. Create your own shape and move it (translate, mirror, or rotate). You must do at least 2 different types of moves, and use words to describe the moves.