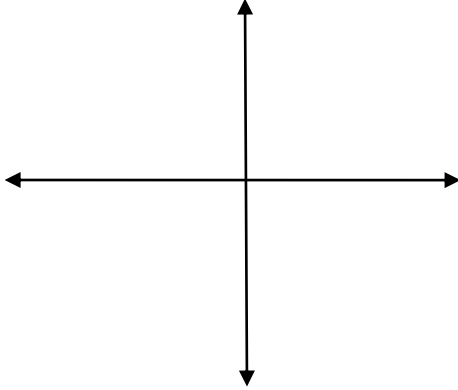


Foundations of Math 11
In Class Exercise...Quadratics Review

1. Complete the chart shown for the quadratic: $y = -5(x+3)^2 + 8$ [10]

Direction of Opening	
Vertex	
y-intercept	
Domain	
Range	
Equation for Axis of Symmetry	
Maximum OR Minimum	
Minimum /Maximum Value	
Sketch: Must have <u>3 key points</u> labeled 	

2. Change each of the following into **vertex form**... [8]

a) $y = -2x^2 - 8x + 6$

b) $y = 4x^2 + 12x - 5$

3. Change the following into **standard form** and state the given properties. [7]

$$y = \frac{2}{3}(x+6)^2 - 23$$

Vertex	
y-intercept	
Sketch: Must have <u>3 key points</u> labeled 