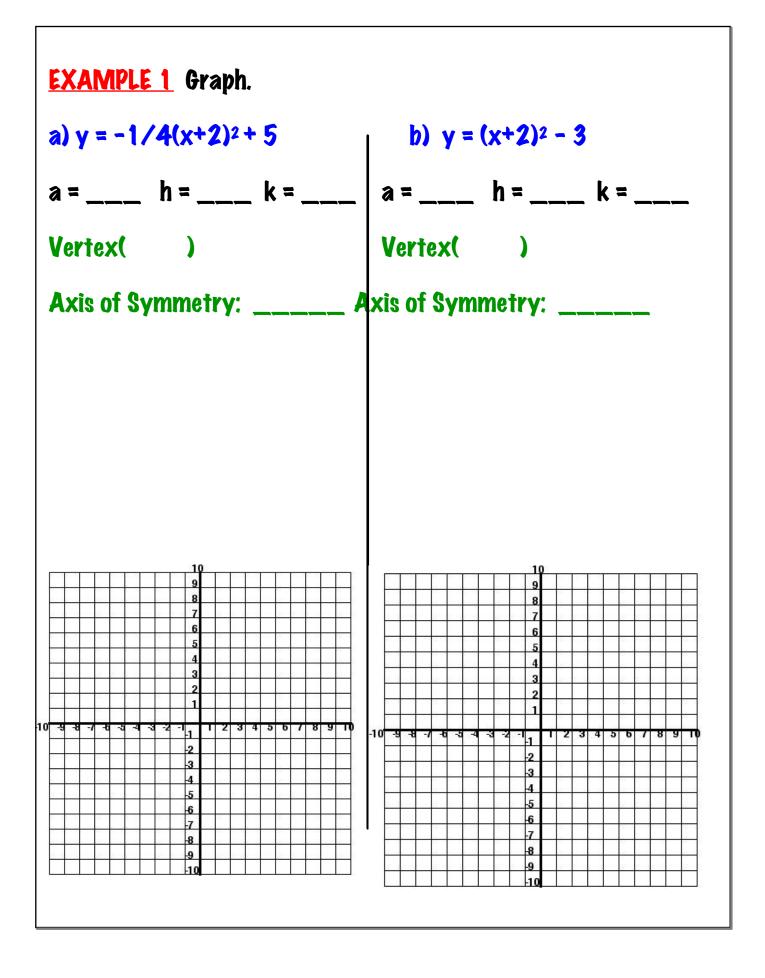
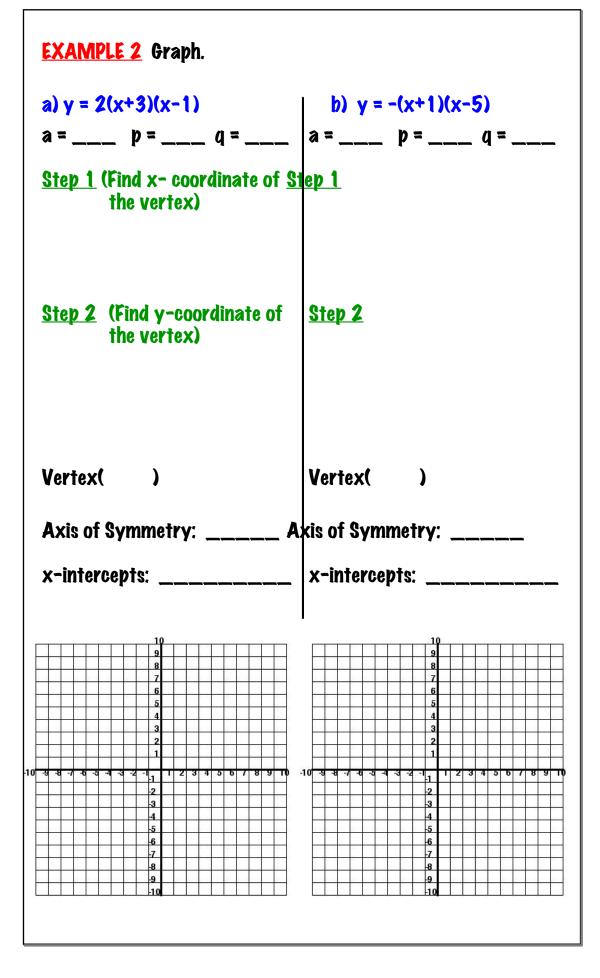
Honors Algebra II Notes Section 1.2		
G	Fraph Quadratic Functions in Vertex or Intercept Form	
VOCABULARY		
Vertex Form	$y = a(x-h)^2 + k$	
Vertex	V (h, k)	
Axis of Symmetry x = h		
Intercept Form	y = a(x-p)(x-q)	
X-intercepts	p and q	
Axis of Symmetry $x = (p + q) / 2$		
FOIL Method	First, Outer, Inner & Last Terms	





EXAMPLE 3

What is the distance between x-intercepts and the min/max height of the parabola?

a) y = 1/7000(x-1400) ² + 27 Vertex () Distance = Min/Max Value:	 b) y = -0.026(x-46) Vertex () Distance = Min/Max Value:

