

Graphing Quadratics from Vertex Form

Name _____ Date: _____

Quadratic Equation: $y = a(x - h)^2 + k$

a

h

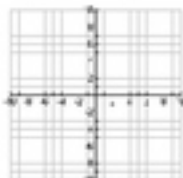
k

Vertex

1. Examples Together: Let's translate each parabola to find the vertex, then use the "a" value to graph!

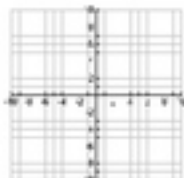
a) $y = (x - 2)^2 + 3$

Vertex: _____



b) $y = 3(x + 1)^2 - 4$

Vertex: _____



c) $y = -\frac{1}{4}x^2 + 2$

Vertex: _____

