

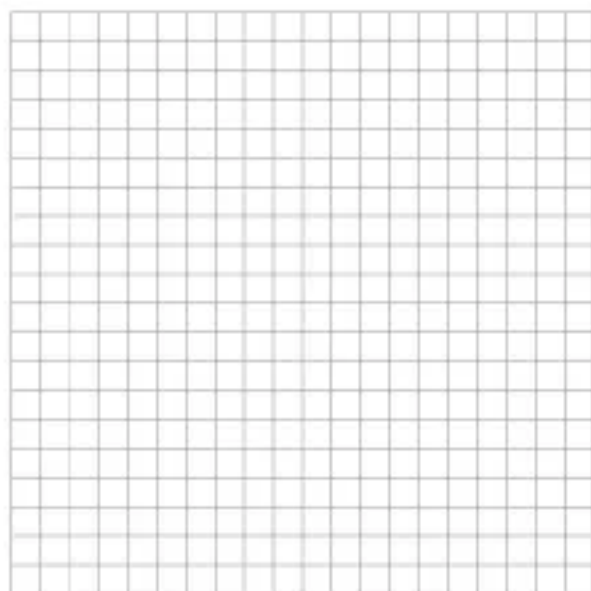
Name : _____

Graphing Quadratic Functions

Vertex Form $f(x) = a(x - h)^2 + k$

Graph the given quadratic functions and find the vertex and the axis of symmetry.

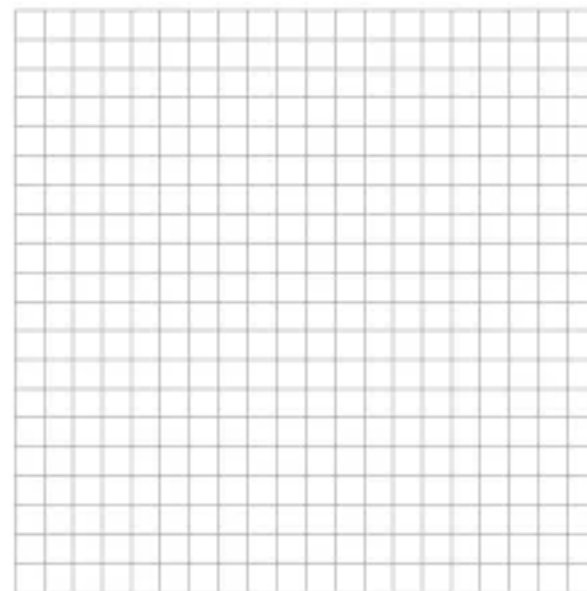
① $y = 2(x + 1)^2 - 3$



Vertex : _____

Axis of Symmetry : _____

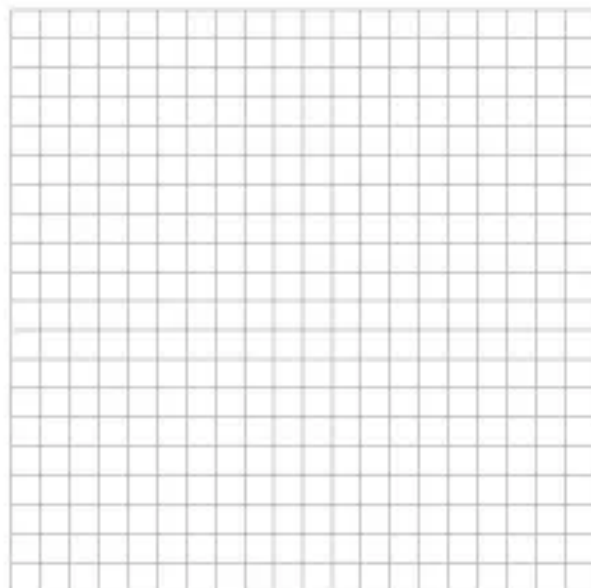
② $y = \frac{1}{2}(x - 3)^2 + 2$



Vertex : _____

Axis of Symmetry : _____

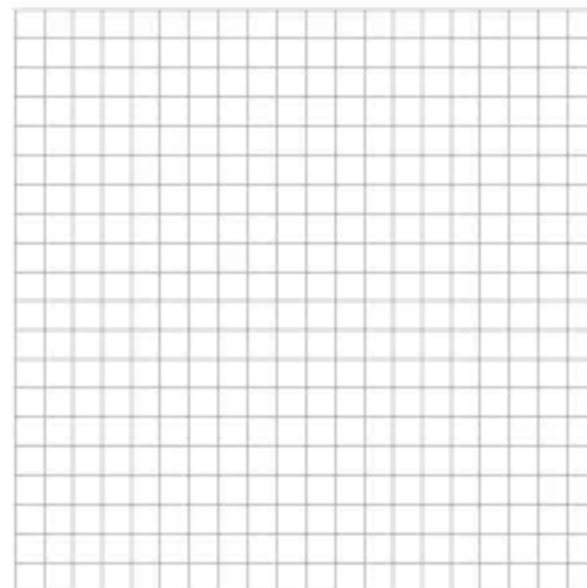
③ $y = -(x - 3)^2 + 6$



Vertex : _____

Axis of Symmetry : _____

④ $y = 2(x - 3)^2 + 9$



Vertex : _____

Axis of Symmetry : _____