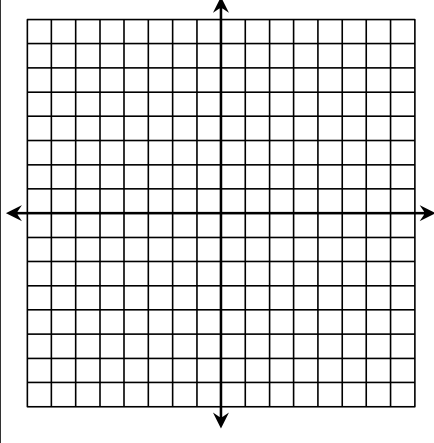


QUADRATIC FUNCTIONS

PARENT FUNCTION:

- Creates a U-shape curve called a _____.
- The _____ is a vertical line that divides the parabola into two equal parts.
- The turning point is called the _____.

x	$f(x)$



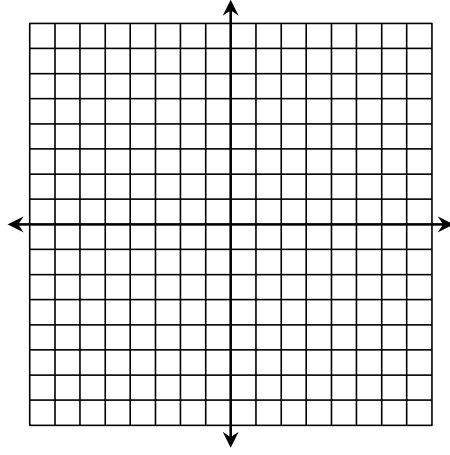
STANDARD FORM:

Axis of Symmetry: _____

Plug back in to find the vertex!

EXAMPLE: $y = x^2 - 4x + 1$

x	$f(x)$



VERTEX FORM:

Axis of Symmetry: _____

Vertex: _____

EXAMPLE: $y = -2(x + 1)^2 + 6$

x	$f(x)$

