# Graphic Organizer

## General Form

Equation: $f(x) = x^2 + 2x - 3$

Select which key features of the graph can be identified from the general form of the equation.

- ☐ parabola opens up/down
- ☐ location of vertex
- ☐ zeros
- ☐ $y$-intercept

## Factored Form

Equation: _____

Select which key features of the graph can be identified from the factored form of the equation.

- ☐ parabola opens up/down
- ☐ location of vertex
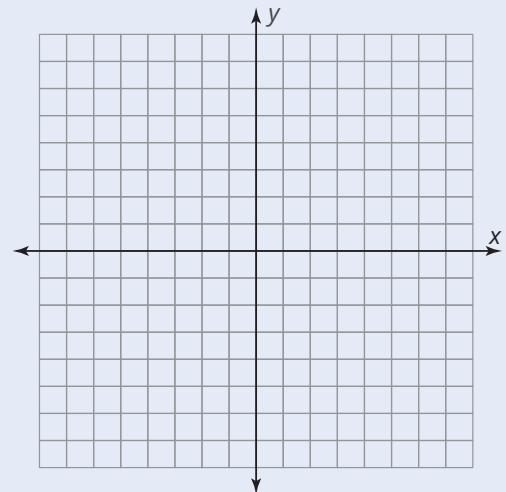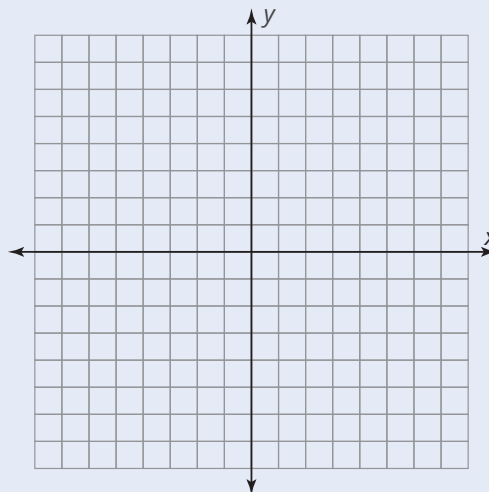- ☐ zeros
- ☐ $y$-intercept

### KEY CHARACTERISTICS OF A QUADRATIC FUNCTION

Equation: _____

Select which key features of the graph can be identified from the vertex form of the equation.

- ☐ parabola opens up/down
- ☐ location of vertex
- ☐ zeros
- ☐ $y$-intercept

## Vertex Form



## Graph of the Quadratic Function

# Graphic Organizer

## General Form

Equation: $g(x) = 2x^2 - 4x - 30$

Select which key features of the graph can be identified from the general form of the equation.

- ☐ parabola opens up/down
- ☐ location of vertex
- ☐ zeros
- ☐ $y$-intercept

## Factored Form

Equation: _____

Select which key features of the graph can be identified from the factored form of the equation.

- ☐ parabola opens up/down
- ☐ location of vertex
- ☐ zeros
- ☐ $y$-intercept

### KEY CHARACTERISTICS OF A QUADRATIC FUNCTION

## Vertex Form

Equation: _____

Select which key features of the graph can be identified from the vertex form of the equation.

- ☐ parabola opens up/down
- ☐ location of vertex
- ☐ zeros
- ☐ $y$-intercept

## Graph of the Quadratic Function