Graphing Quadratic Functions by Factoring

Name: Period:

Answer the following questions in complete sentences.

- 1. How do we find the x-intercepts of a function?
- 2. How do we find the y-intercept of a function?
- 3. How do we find the axis of symmetry of a function?
- 4. How do we find the vertex of a function?

For #1 – 7 find the following and label it on the graph of each function:

- x-intercepts -
- y-intercept -
- axis of symmetry -
- vertex

Show work on a separate paper. Staple and turn in with worksheet.

Graph the following functions.

1.
$$f(x) = x^2 + 2x - 3$$









