



Algebra 2

Topic 4 // Graphing Quadratics B

N:

D:

P: 1 2 3 4 5 6

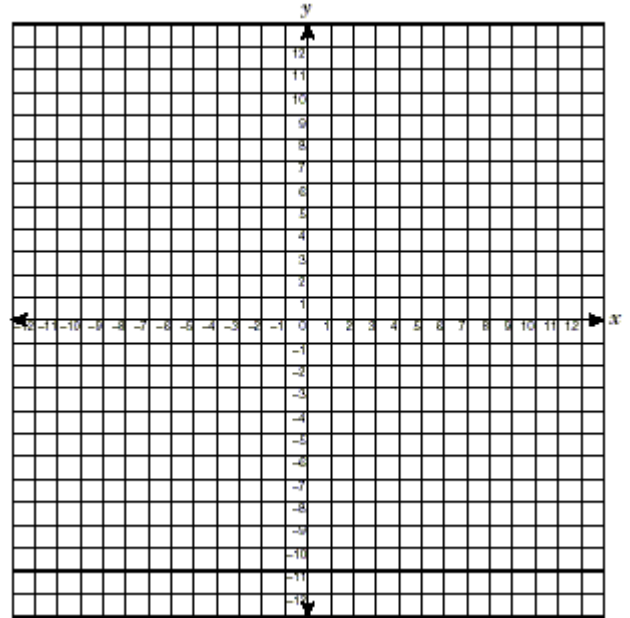
Standards: 10.0

Holt: 5-3 Graphing and Factoring p. 333

1) Answer the following questions for this quadratic:

$$y = x^2 + 6x - 7$$

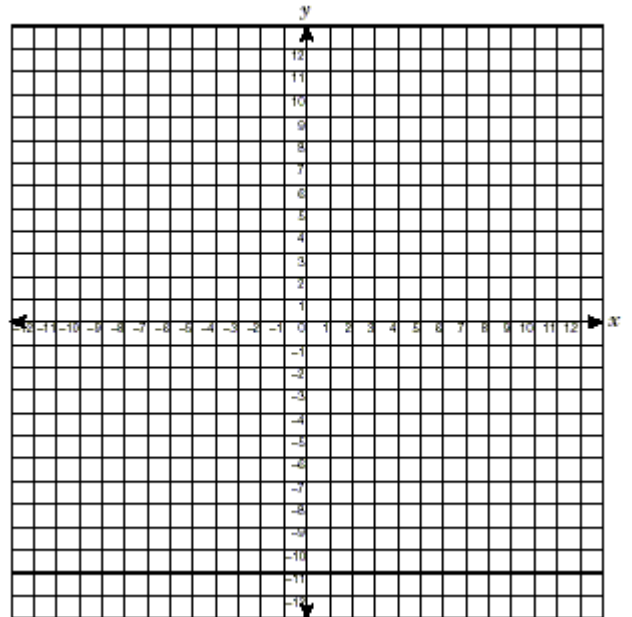
- a) Does it open up or down?
- b) Vertex
- c) Y-Intercept
- d) X-Intercepts (or Roots or Zeroes)
- e) Axis of Symmetry
- f) Graph



2) Answer the following questions for this quadratic:

$$y = x^2 + 2x - 3$$

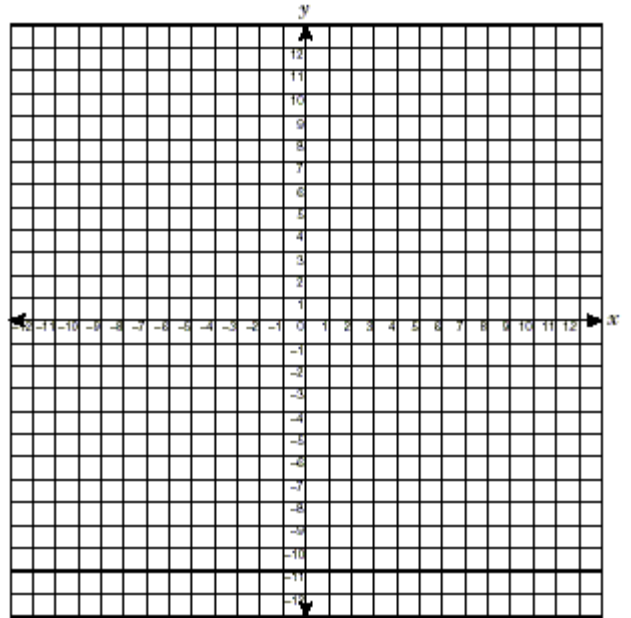
- a) Does it open up or down?
- b) Vertex
- c) Y-Intercept
- d) X-Intercepts (or Roots or Zeroes)
- e) Axis of Symmetry
- f) Graph



3) Answer the following questions for this quadratic:

$$y = -x^2 + 6x - 9$$

- a) Does it open up or down?
- b) Vertex
- c) Y-Intercept
- d) X-Intercepts (or Roots or Zeroes)
- e) Axis of Symmetry
- f) Graph



4) Answer the following questions for this quadratic:

$$y = x^2 - 8x - 9$$

- a) Does it open up or down?
- b) Vertex
- c) Y-Intercept
- d) X-Intercepts (or Roots or Zeroes)
- e) Axis of Symmetry
- f) Graph

