

ALGEBRA 2

Perfect Parabolas B

N:

D:

P: 1 2 3 4 5 6

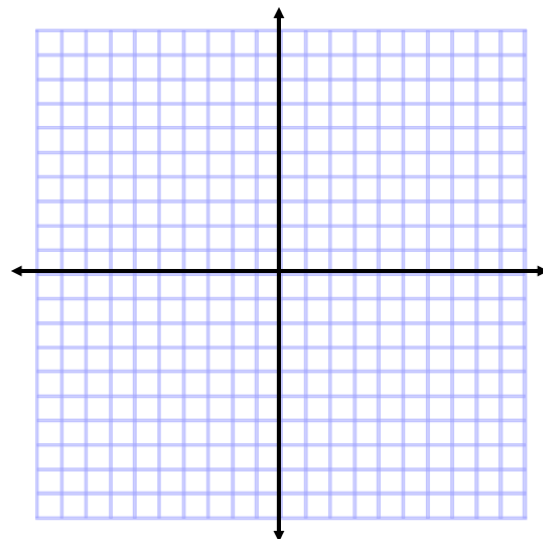
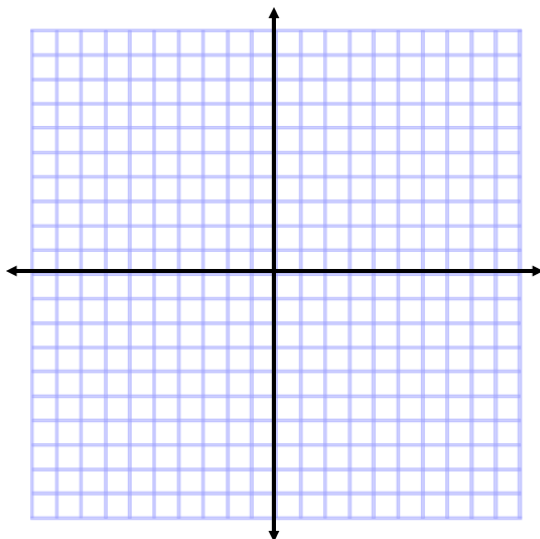
Directions: to graph a parabola with precision and correctly label and identify its parts

1) $y = x^2 + 6x + 9$

- a. y-intercept
- b. x-intercept
- c. Axis of Symmetry
- d. Vertex
- e. Up/down max/min
wide/thin/normal

2) $y = x^2 - 4x$

- a. y-intercept
- b. x-intercept
- c. Axis of Symmetry
- d. Vertex
- e. Up/down max/min
wide/thin/normal



3) $y = 2x^2 - 4x - 6$

- a. y-intercept
- b. x-intercept
- c. Axis of Symmetry
- d. Vertex
- e. Up/down max/min
wide/thin/normal

4) $y = -x^2 + 4$

- a. y-intercept
- b. x-intercept
- c. Axis of Symmetry
- d. Vertex
- e. Up/down max/min
wide/thin/normal

