

# ALGEBRA 2

## Perfect Parabolas A

N:

D:

P: 1 2 3 4 5 6

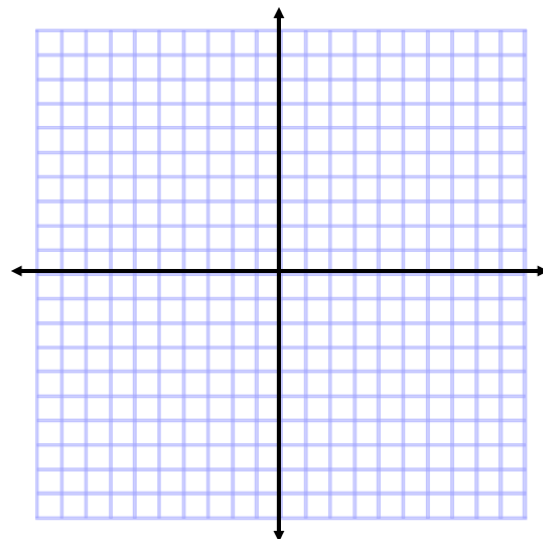
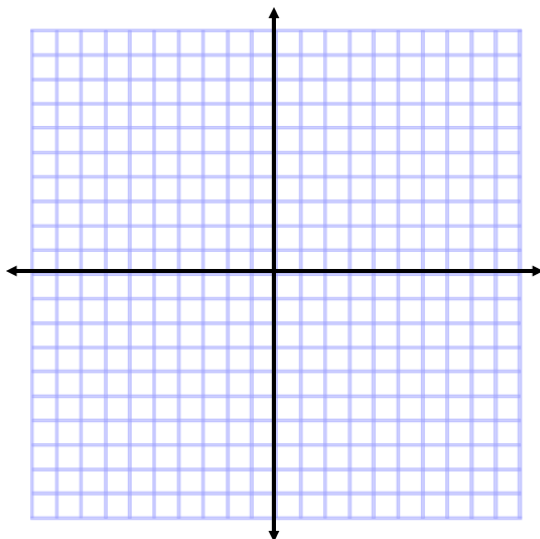
Directions: to graph a parabola with precision and correctly label and identify its parts

1)  $y = x^2 + 6x + 5$

- y-intercept
- x-intercept
- Axis of Symmetry
- Vertex
- Up/down max/min  
wide/thin/normal

2)  $y = -2x^2 + 8x$

- y-intercept
- x-intercept
- Axis of Symmetry
- Vertex
- Up/down max/min  
wide/thin/normal



3)  $y = 4x^2 - 8x + 3$

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

4)  $y = -x^2 - 2x + 8$

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

