## Algebra 1

Our Goal: To review for the Chapter 8 quiz

Warm Up: Please have your computers out and on

<u>Today's Homework</u> Textbook Practice Quiz

**Previous Homework** 

8.3 Exercises, p.436-437: 4-30 (evens)

$$0 = 4x^{2} + 24x + 13$$

$$y = 4x^{2} + 24x + 13$$

$$(-\frac{b}{2a}, \frac{-24}{2(41)}, \frac{2}{2(43)} + 13)$$

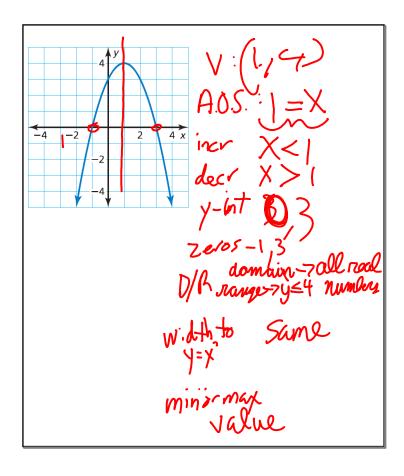
$$(-3, \frac{36-72+13}{-72})$$

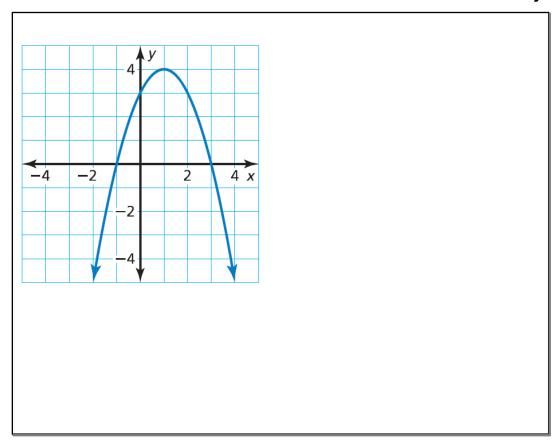
$$(-3, -23)$$

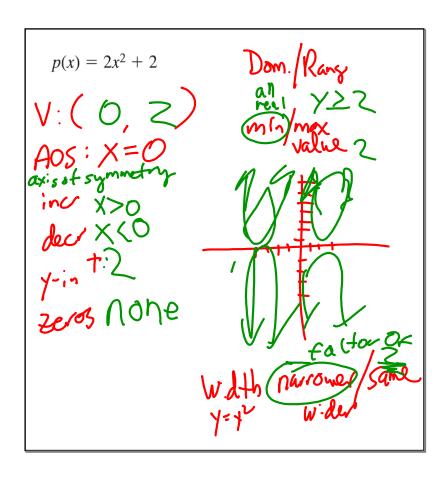
$$(-3, -23)$$

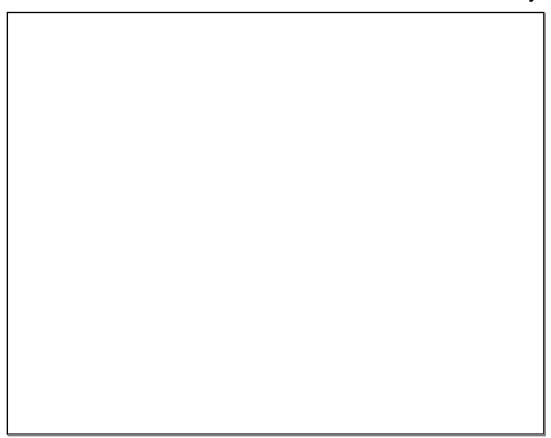
## Chapter 8 Quiz Topics

- · Characteristics of a quadratic function
  - > Vertex
  - > Equation of axis of symmetry
  - > Interval where increasing / decreasing
  - > y-intercept
  - > x-intercept(s) or zeros
  - > Domain / Range > m.n/max Vull
- Finding the vertex of a parabola
- · Determining the direction of opening
- Determining the width compared to y=x<sup>2</sup>
- Graphing parabolas

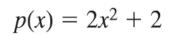


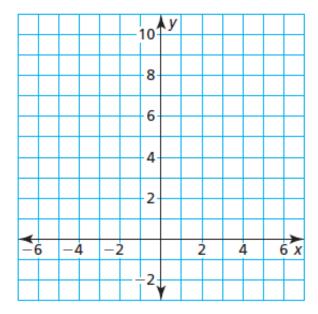






(Sty)dying





$$y = x^2 + 4x - 5$$

