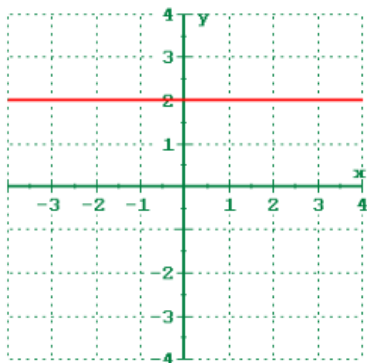


New Homework Policy!!!!

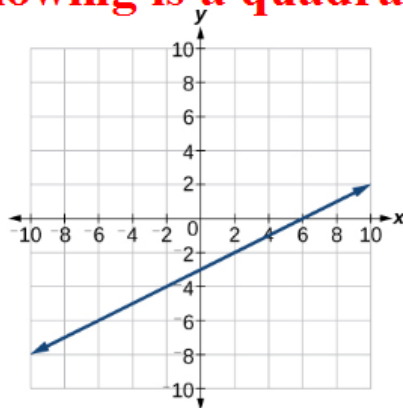
- ~ daily work will only be checked for completion and if all assignments for a chapter are checked as completed you earn a "Get Out of Homework Free" pass = 4 extra credit points
- ~ no more quizzes!!! instead **Checkpoints** worth 12 points.
- ~ If you get any problems wrong on a **Checkpoint**, you will get it back and you can fix them to receive credit back.
- ~ **Checkpoints** can only be done IN CLASS, they do not get taken home.
- ~ Chapters/Units = 2 Checkpoints (12 points each) + 1 Test (50 points)

4.1: Graphing Quadratic Functions

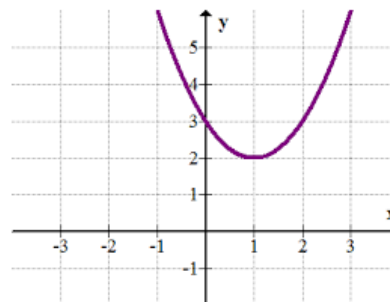
Which of the following is a quadratic function?



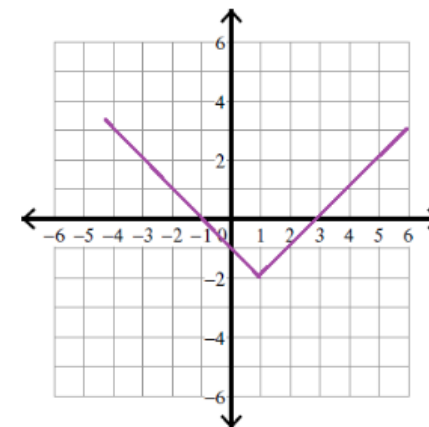
A



B



C



D

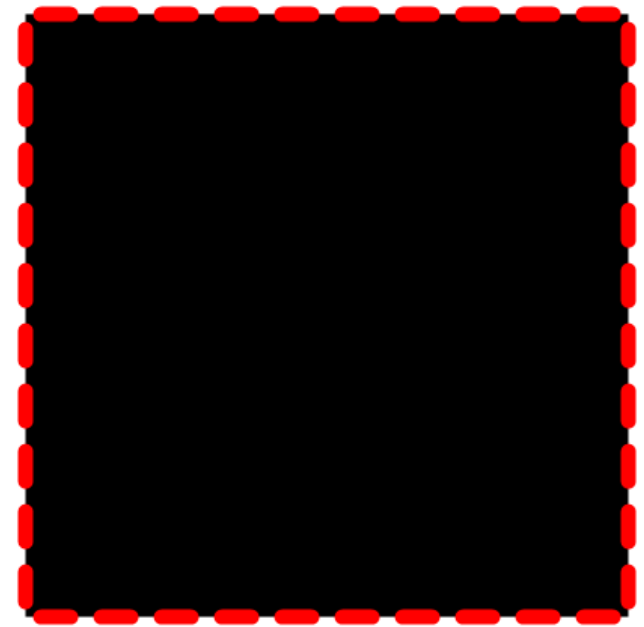
Today we learn to graph quadratics.

$$y = x^2 - 2$$



Graph

$$f(x) = x^2 - 10x + 24$$



Let's graph.

$$\mathbf{f(x) = x^2 - 4x + 2}$$

To graph quadratics:

- 1) Put in Standard Form**
- 2) Find the middle**
- 3) Make an x/y table around the middle**

To graph quadratics:**1) Put in Standard Form****2) Find the middle****3) Make an x/y table around the middle**

21) $f(x) = -2x^2 + 3x + 9$

What is a maximum?

What is a minimum?

Do parabolas have one/both/neither?

Domain/range

Math Practice: p224(12-39m3,60)