



Pre-Algebra

Agenda:

- Test on Chapter 7

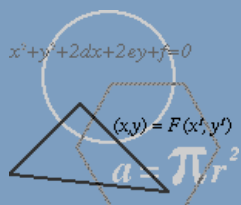
To Do Now:

- Two sheets of blank paper for the test
- Graphing Calculator on your desk
- All answers must be done on the answer sheet.
- As soon as you get the Answer Sheet, write the two formulas (percent sentence and Simple Interest formula) on it for reference!
- Take your time...you have the whole period!!!

Homework:

- None

Nov 4-10:28 AM



Intro to-Algebra

Agenda:

- Inequalities and Absolute Value Summary

To Do Now:

- Have your homework on your desk (the two equations/graphs)

Warm Up:

- Find the x-intercept(s) of $y = -2|x - 6| - 8$

Homework:

$$0 = -2|x - 6| - 8$$

$$8 = -2|x - 6|$$

$$\cancel{-4 = |x - 6|}$$

Nov 4-10:28 AM

$$|x-7|=8$$

$$x-7=8$$

$$x-7=-8$$

Mar 18-8:34 AM

$$y = -|x - 4| - 3$$

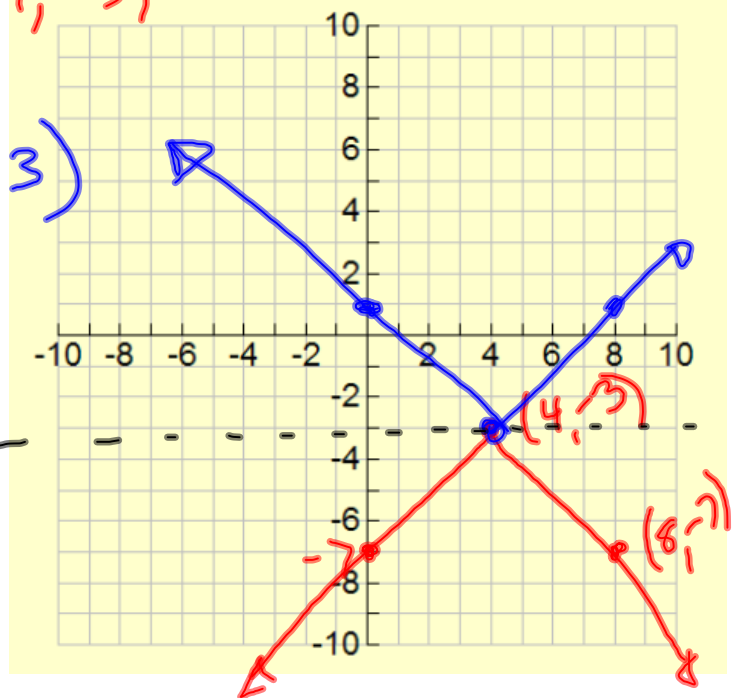
 $(4, -3)$

$$y = |x - 4| - 3$$

 $(4, -3)$

$$y = A|x+B|+C$$

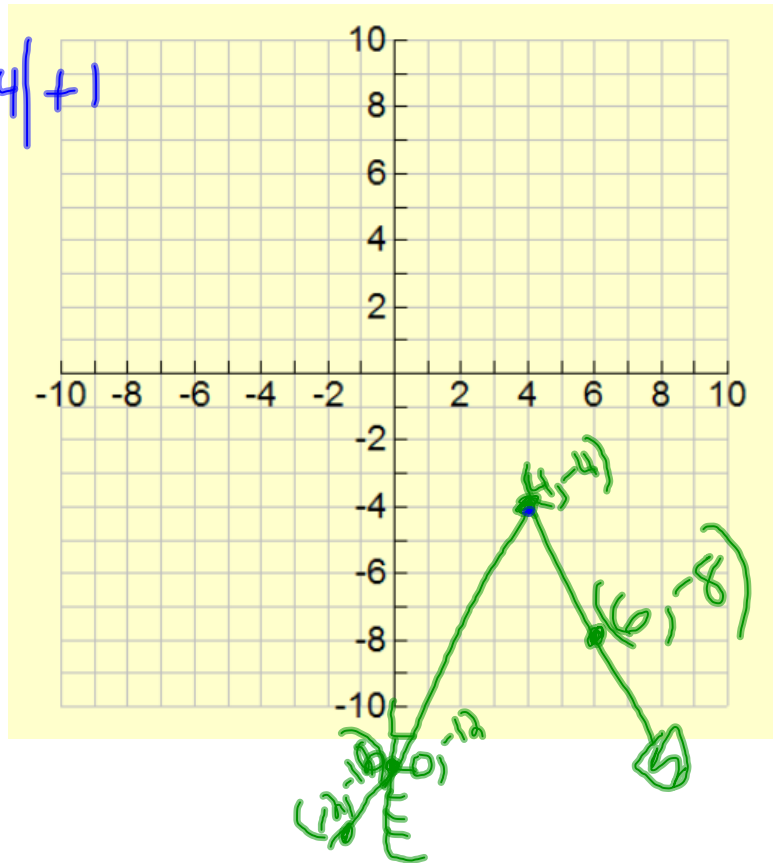
$$(-B, C)$$



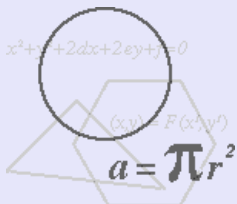
Mar 16-8:32 AM

Graph:

$$y + 5 = -2|x - 4| + 1$$



Mar 15-2:48 PM



Advanced Algebra

Agenda:

- Review of graphing quadratics
- Chapter 12 test Monday

To Do Now:

- Complete Warm Up
- Have review questions written on a piece of paper.

Warm Up:

- Find the Discriminant to $y - 6 = (x + 5)^2$

Homework:

- Study for test for Monday

$$y = x^2 + 10x + 31$$

$$100 - 4(1)(31) \quad - 24$$

Nov 4-10:28 AM

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

$$0 = 2x^2 + 5$$

$$-5 = 2x^2$$

$$\frac{-5}{2} = x^2$$

$$\pm \sqrt{\frac{-5}{2}} = x$$

$$\pm \frac{\sqrt{-10}}{2} = x$$

NO X-INTERCEPTS

Mar 17-12:24 PM

graph: $y = x^2 + 3x + 4$

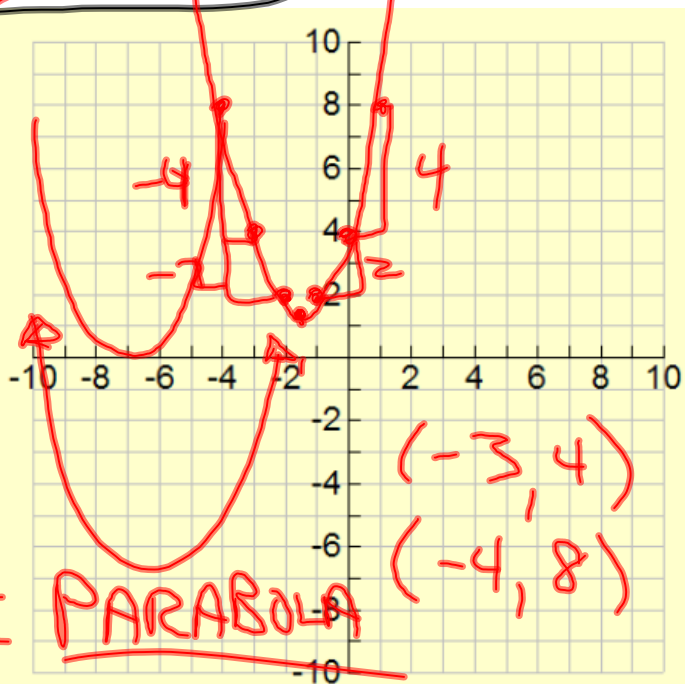
$$0 = x^2 + 3x + 4$$

$$\frac{-3 \pm \sqrt{9 - 4(1)(4)}}{2(1)}$$

$$\frac{-3 \pm \sqrt{-7}}{2}$$

$$\frac{-3 \pm ?}{2} \begin{array}{l} 2.25 \\ -4.5 \\ -2.25 \end{array}$$

$$1.75$$



Mar 16-11:37 AM

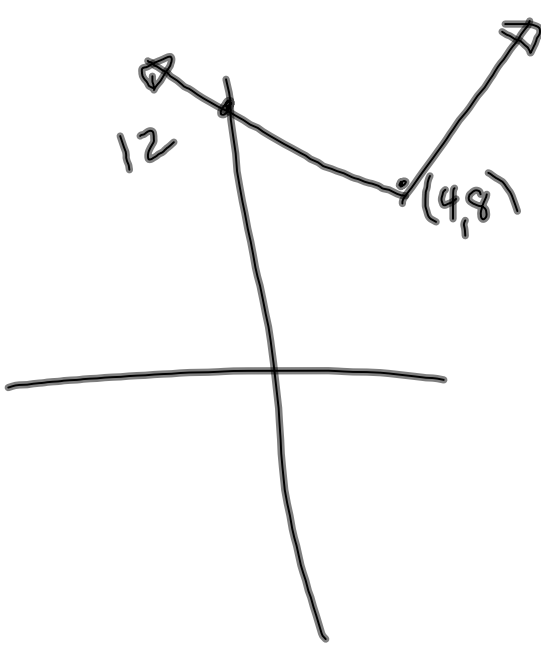
$|x-4| = -8$

$|x-4| + 8 = 7$

$|x-4| + 8 = 0$

$|x-4| = -8$

NO X-INTERCEPTS



Mar 16-12:34 PM

$\frac{4 \pm \sqrt{0}}{2}$

$\frac{4 \pm \sqrt{6}}{2}$

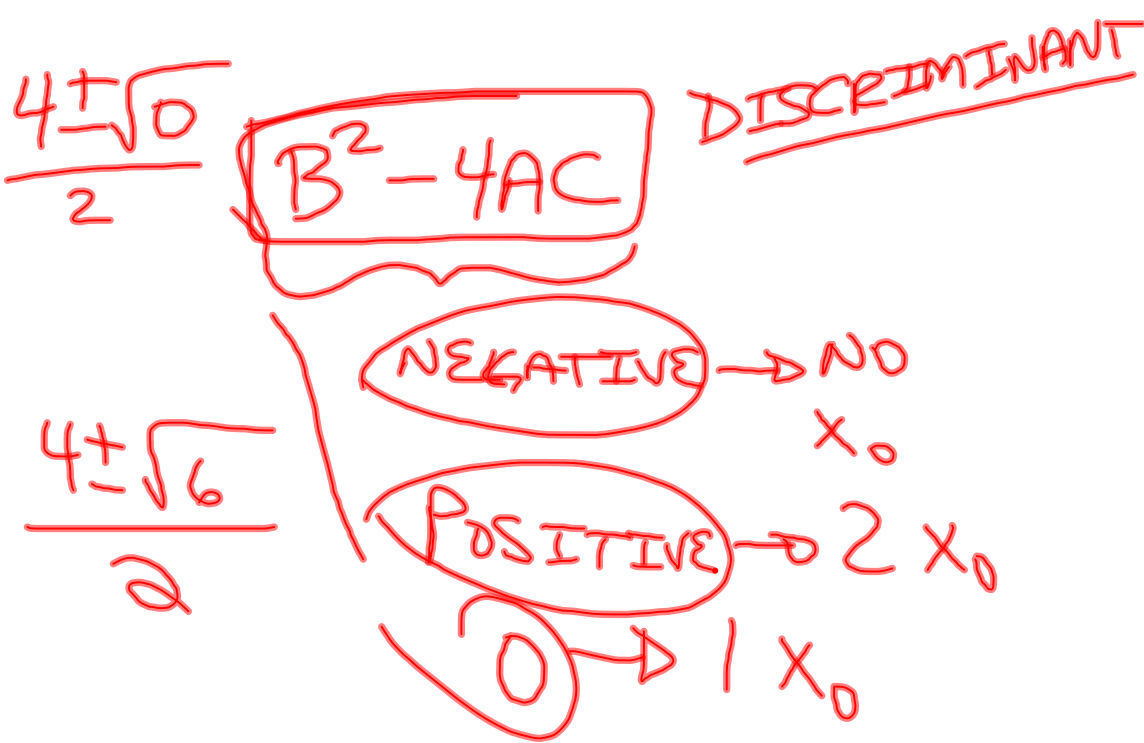
DISCRIMINANT

$B^2 - 4AC$

NEGATIVE \rightarrow NO x_0

POSITIVE \rightarrow 2 x_0

0 \rightarrow 1 x_0



Mar 17-12:45 PM

$$y = -3x^2 - 4x + 9$$

$$(-4)^2 - 4(-3)(9)$$

$$16 - (-108)$$

$$124$$

Mar 17-12:48 PM

$$x^2 - 4x + 3$$

$$(-4)^2 - 4(1)(3)$$

$$16 - 12$$

Mar 17-12:53 PM