

Daily Agenda

Learning Target: I can graph quadratic functions, write equations of quadratics, and solve quadratic equations.

Homework

3.1 to 3.3 Review WS

Assessments

3.1 to 3.3 Quiz 10/12  
 - No Calc  
 Chapter Test 10/24  
 - Calc and No Calc

No one is perfect...that's why pencils have erasers.  
 -Author Unknown

Nov 15-8:24 PM

7.)  $f(-2) = 2(-2)^2 - 7(-2) + 1$   
 $2 \cdot 4 + 14 + 1$   
 $8 + 14 + 1 = 23$

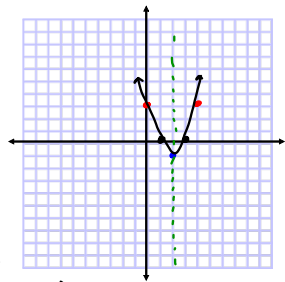
$3 = 2x^2 - 7x + 1$   
 $0 = 2x^2 - 7x - 2$   $x = \frac{7 \pm \sqrt{49 - 4(2)(-2)}}{4}$

8.  $-5 = 3x^2 - 2x + 1$   
 $0 = 3x^2 - 2x + 6$  *no real sol.*  $= \frac{2 \pm \sqrt{65}}{6}$   
 $(-2)^2 - 4(3)(6) = -68$

Oct 11-11:13 AM

Find the vertex, x- and y-intercepts, symmetric point, and sketch.

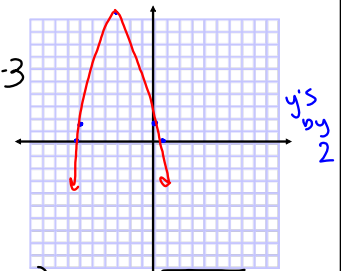
$y = x^2 - 4x + 3$   
 $x = \frac{4}{2 \cdot 1} = 2$   
 $y = 2^2 - 4 \cdot 2 + 3 = -1$   
 $V(2, -1)$   
 $y\text{-int } (0, 3)$   
 $\text{sym.pt } (4, 3)$   
 $x\text{-int } x = 1, 3$   
 $0 = x^2 - 4x + 3$   
 $0 = (x-1)(x-3)$   $(1, 0) (3, 0)$



Oct 1-7:26 AM

Find the vertex, x- and y-intercepts, symmetric point, and sketch.

$y = -2x^2 - 12x + 3$   
 $V(-3, 21)$   $x = \frac{12}{2(-2)} = -3$   
 $y\text{-int } (0, 3)$   
 $\text{Sym.pt } (-6, 3)$   
 $x\text{-int } (-6.24, 0)$   
 $(.24, 0)$   
 $0 = -2x^2 - 12x + 3$   
 $x = \frac{12 \pm \sqrt{144 - 4(-2)(3)}}{-4} = \frac{12 \pm \sqrt{168}}{-4}$



Oct 1-7:26 AM