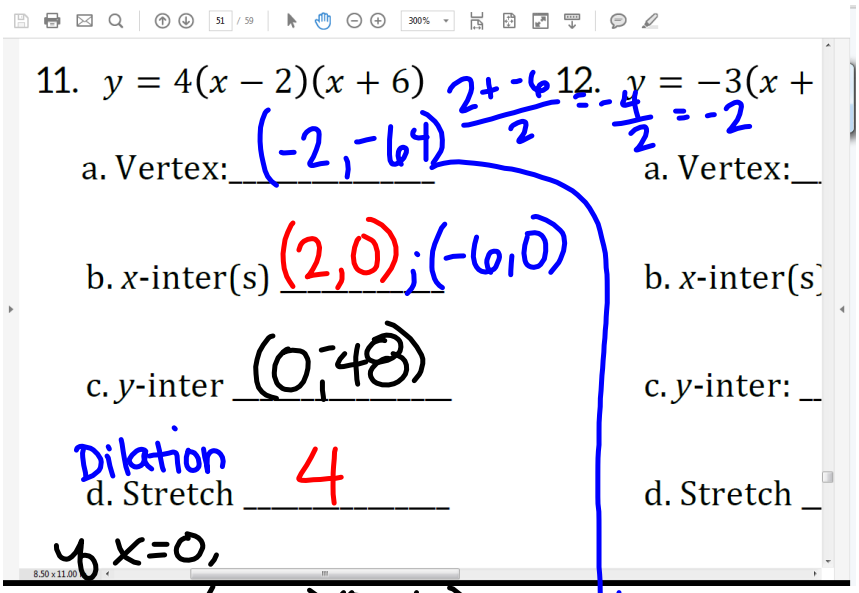
Questions on 2.8 HW? 2.7 HW is due today and we are quizzing.

Apr 8-8:30 AM



$\frac{2+-6}{2} = \frac{-4}{2} = -2$

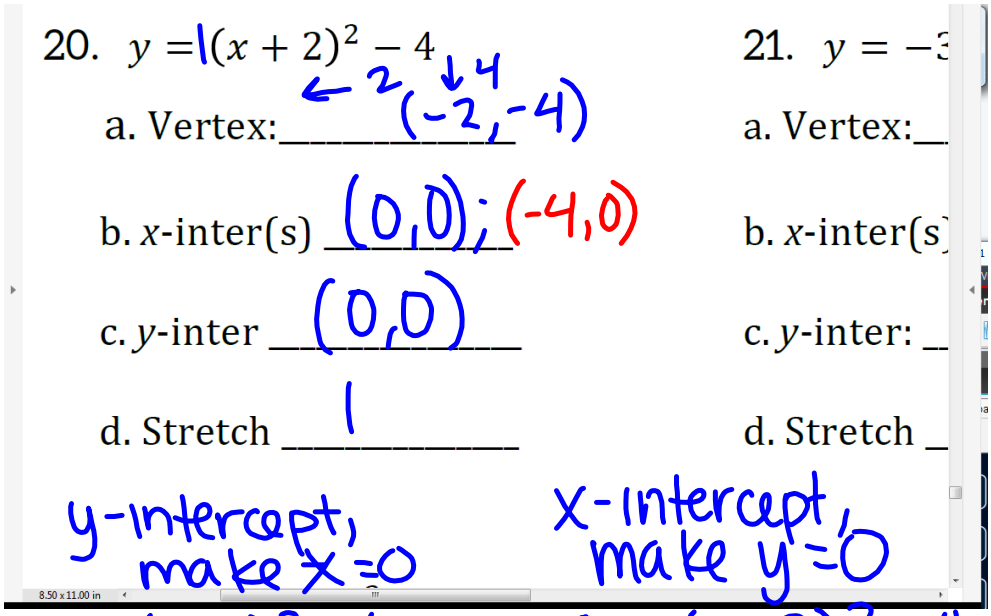
If $x=0$,
$y=4(0-2)(0+6)$
$y=4(-2)(6)$
$y=-48$

If $x=-2$
$y=4(-2-2)(-2+6)$
$y=4(-4)(4)$
$y=-64$

(11) $0=4(x-2)(x+6$

If $x=2$,
$4(2-2)(2+6)$
$4(0)8$
0 $(2,0)$

If $x=-6$
$4(-6-2)(-6+6)$
$4(-8)0$
0 $(-6,0)$



20. $y = 1(x+2)^2 - 4$

a. Vertex: ← 2, ↓ 4 (-2, -4)

b. x-inter(s) (0,0); (-4,0)

c. y-inter (0,0)

d. Stretch 1

21. $y = -3$

a. Vertex:

b. x-inter(s)

c. y-inter:

d. Stretch

y-intercept, make $x=0$

$y=(0+2)^2-4$

$y=4-4$

$y=0$

x-intercept, make $y=0$

$0=(x+2)^2-4$

$+4 \quad +4$

$\sqrt{4}=\sqrt{(x+2)^2}$

$\pm 2 = x+2$

$-2 \quad -2$

$-2 \pm 2 = x$

$x=-2+2=0 \rightarrow (0,0)$

$x=-2-2=-4 \rightarrow (-4,0)$

Quadratics Quiz #4: Factoring Quadratics

Factor the following into the factors of c that add up to b in $f(x)=ax^2+bx+c$

1) $x^2 + 6x + 5 = (x \quad)(x \quad)$

2) $x^2 + 4x - 12 = (x \quad)(x \quad)$

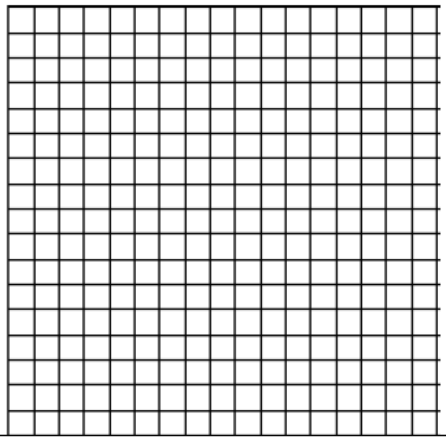
Oct 6-1:48 PM

2.9 I've Got a Fill-in

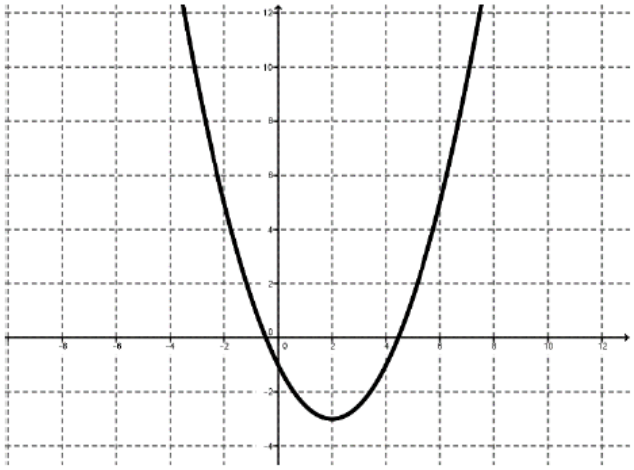
A Practice Understanding Task

For each problem below, you are given a piece of information that tells you a lot. Use what you know about that information to fill in the rest.

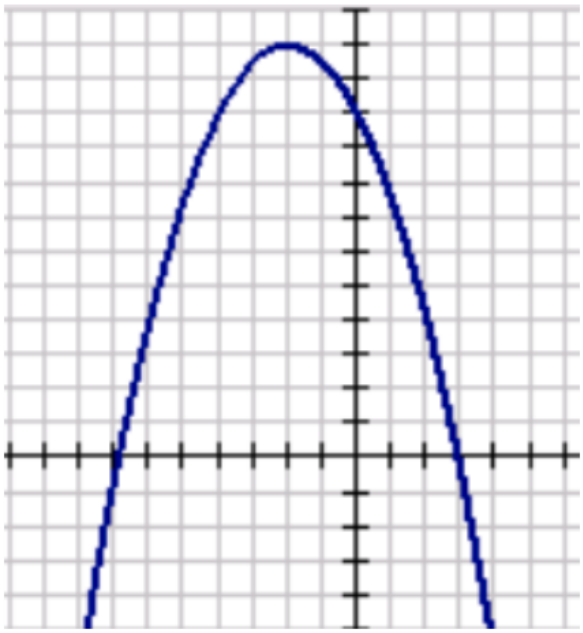
1.	You get this:	Fill in this:
	$y = x^2 - x - 12$	Factored form on the equation:
		Graph of the equation:

2.	You get this:	Fill in this:
	$y = x^2 - 6x + 3$	Vertex form of the equation:
		Graph of the equation: 

Mar 28-10:06 AM

3.	You get this:	Fill in this:
		Vertex form of the equation: Standard form of the equation:

Mar 28-10:06 AM

4. You get this:	Fill in this:
	Factored form of the equation: (3,0) (−7,0) $-\frac{1}{2}(x-3)(x+7)$
	Standard form of the equation: ax^2+bx+c $-\frac{1}{2}(x^2+7x-3x-21)$ $-\frac{1}{2}(x^2+4x-21)$ $-\frac{1}{2}x^2-4x+10.5$ +10 close enough

HW: pg 53-56
pick 4 from #1,2,3,5,6,7
skip HW pg 57-59

5.	You get this:	Fill in this:
	$y = -x^2 - 6x + 16$	Either form of the equation other than standard form.
		Vertex of the parabola
		x-intercepts and y-intercept

Mar 28-10:06 AM

6.	You get this:	Fill in this:
	$y = 2x^2 + 12x + 13$	Either form of the equation other than standard form.
		Vertex of the parabola
		x-intercepts and y-intercept

Mar 28-10:07 AM

7.	You get this:	Fill in this:
	$y = -2x^2 + 14x + 60$	Either form of the equation other than standard form.
		Vertex of the parabola
		x-intercepts and y-intercept

Mar 28-10:07 AM

Homework

Finish 2.9 "Ready, Set, Go"

Mar 28-9:36 AM