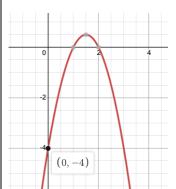
--- Reference Sheet for FINAL EXAM: Unit 2 Quadratics---

Standard Form

$$y = ax^2 + bx + c$$

"a" controls: opening *UP or DOWN* and the *steepness* of the parabola

"c" – is the Y-intercept \rightarrow (0, c)



$$y = -2x^2 + 6x - 4$$

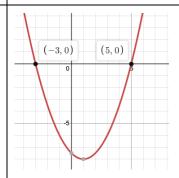
Factored Form

(aka Intercept Form)

 $y = a(x - x_1)(x - x_2)$

"a" controls: opening *UP or DOWN* and the *steepness* of the parabola

x-intercepts are (x_1 , 0) and (x_2 , 0)



$$y = \frac{1}{2}(x + 3)(x - 5)$$

X-intercept(s)

Y-intercept

1 micrecpi

To solve for it: To solve for it:

(____,0)



To solve for it:

--- Reference Sheet for FINAL EXAM: Unit 2 Quadratics---

Factoring and Solving		
<u>GCF</u>	<u>Target Product + Sum</u>	Zero Product Property
$6x^2 + 10x$	$x^2 + 2x - 15$	(x-7)(x+1)=0

You can write any other QUADRATICS related NOTES and EXAMPLES you like below: