Quiz/Test DATE:		Today's Section:

Algebra I 100pt Daily Path to Success

Full Student Name:	1/2 5/6 7/8	Date:	

Opening Checklist (15 points)		Initials
1. I had my math notes folder and daily papers ON MY DESK by the time class began.	/5	
2. I had been using a SHARPENED pencil by the time class began.	/5	
3. I had FINISHED copying the objective and had STARTED defining the Word of the Day by the time class began.	/5	

Do Now (10 points) – Copy the Objective and define the Word of the Day.		Initials
Obj: Word of the Day & Defn:	/10	

Skill Review (30 points) – Show ALL work necessary.		Initials
	/30	

Quiz (FREE 10 points)		Initials
Complete your quiz independently and silently.	/10	

Exit Ticket (10 points) – Complete INDEPENDENTLY and SILENTLY.		Initials
	/10	

Notes (20 points) - 2Q6 /20

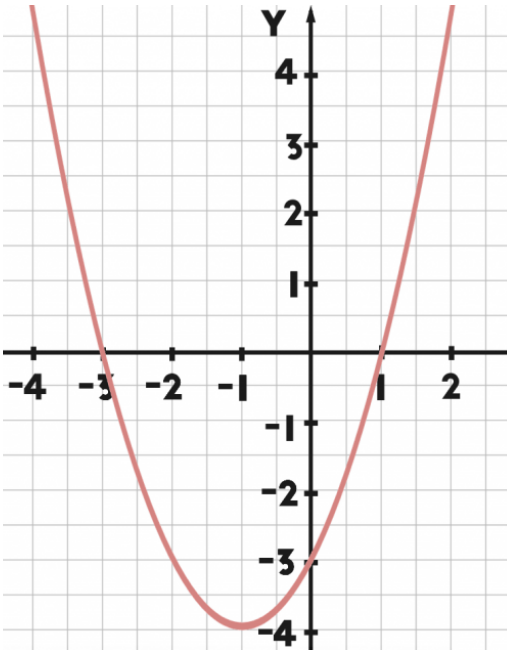
Solving Quadratic Equations

Zero-Product Property: For any real numbers a and b, if $a = 0$ OR if $b = 0$, then $ab = 0$.

Therefore, if $ab = 0$, then _____ OR _____.

Example: If $(x + 3)(x + 2) = 0$ then _____ OR _____.

Why It Matters - Ex. 1



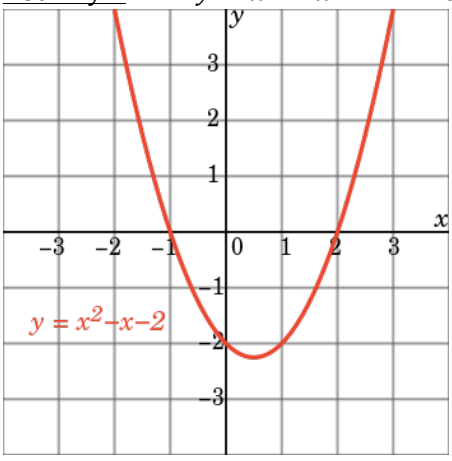
$f(x) = x^2 + 2x - 3$

What are the x-intercepts of the quadratic function?

**If we set the function equal to _____, then we can solve for the x-intercepts.

Because of the Zero-Product Property, we should _____!

You Try 2 $y = x^2 - x - 2$ Find the x-intercepts of the function algebraically. Confirm with the graph.



Steps

1) Set the function = 0.

2) Factor the function.

3) Set each factor = 0.

4) Solve each equation.

5) Write your x-intercepts as ordered pairs.

6) Write your roots/zeros as a solution set.

Skill Review

Work on your Study Guide. Complete Quizizz.

Exit Ticket

Find the zeros of the quadratic function. $y = x^2 + 5x + 6$