

3.1 Solving Quadratics by Graphing CYU DAY TWO

Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

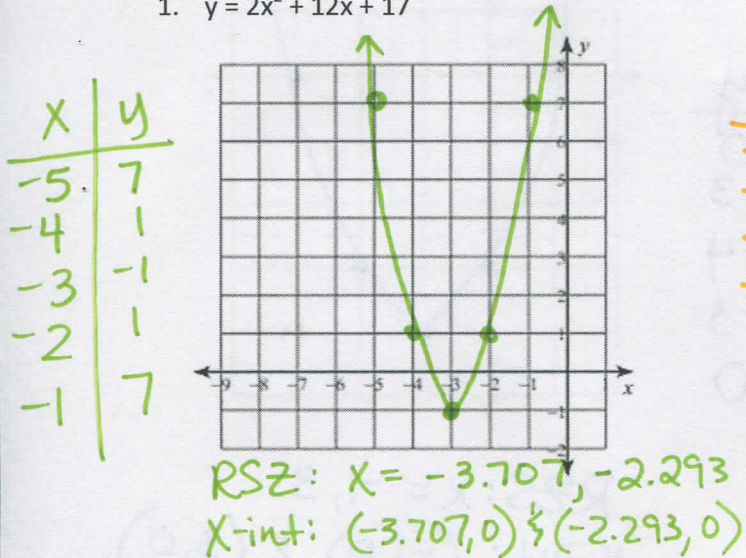
X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

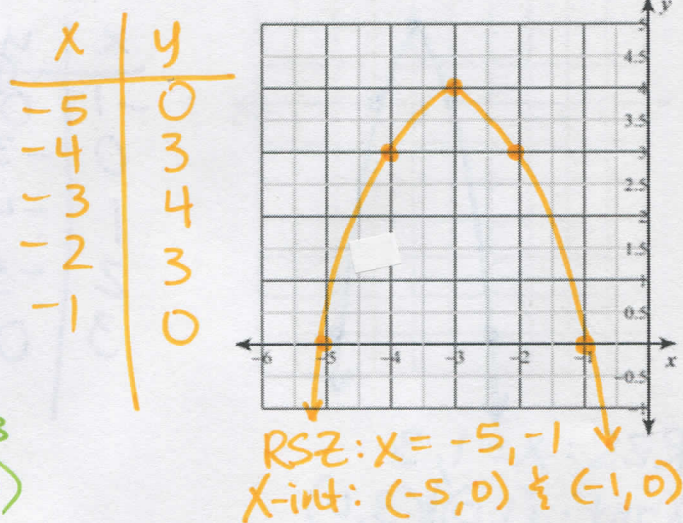
CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Graphing Quadratics on the Calculator	3, 4, 5, 8	1, 2, 6, 7	
Stating the roots, zeros, & solutions	3, 4, 5, 8	1, 2, 6, 7	
Stating the x-intercepts	3, 4, 5, 8	1, 2, 6, 7	

I. Second way: Graphing. Solve each equation by graphing on the calculator. Then state your roots, solutions, zeros and x-intercepts.

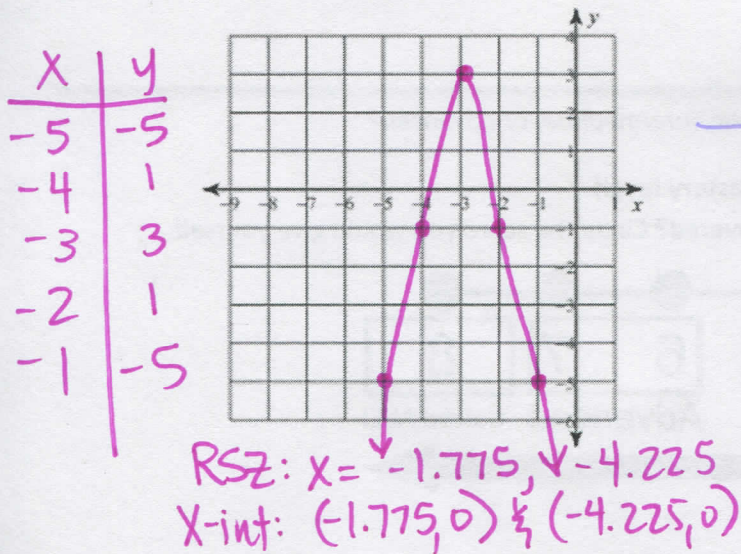
1. $y = 2x^2 + 12x + 17$



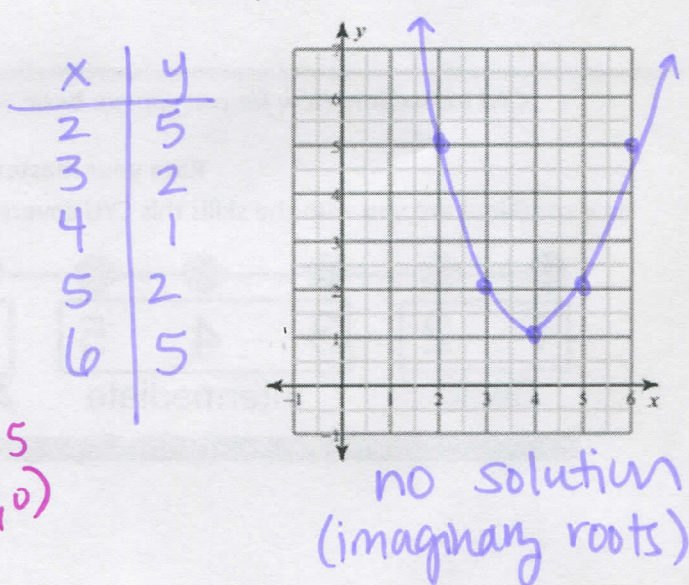
3. $y = -x^2 - 6x - 5$



2. $y = -2x^2 - 12x - 15$



4. $y = x^2 - 8x + 17$

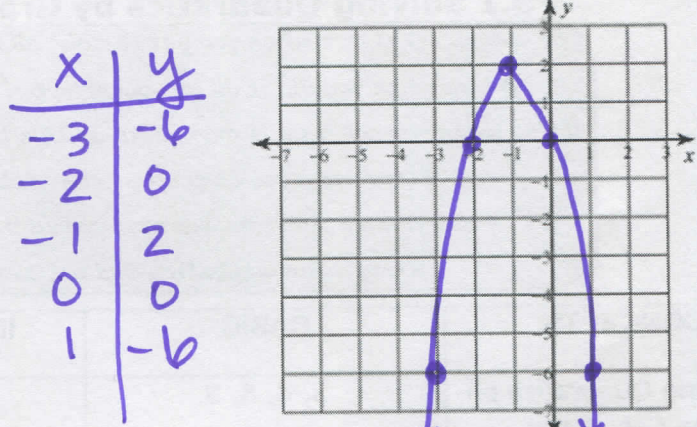


5. $y = x^2 - 2x - 1$



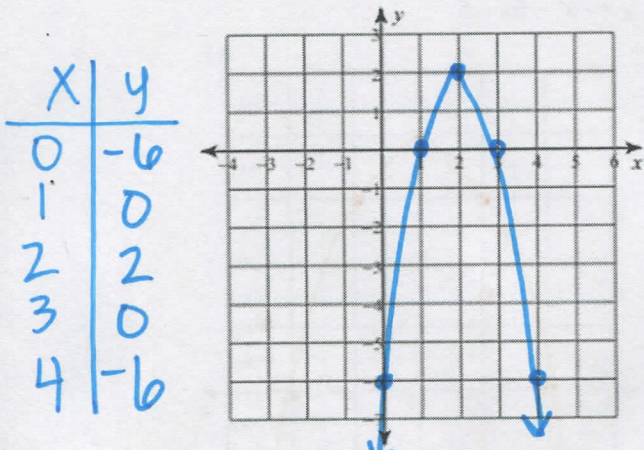
RZS: $x = -0.414, 2.414$
 X-int: $(-0.414, 0) \ \& \ (2.414, 0)$

7. $y = -2x^2 - 4x$



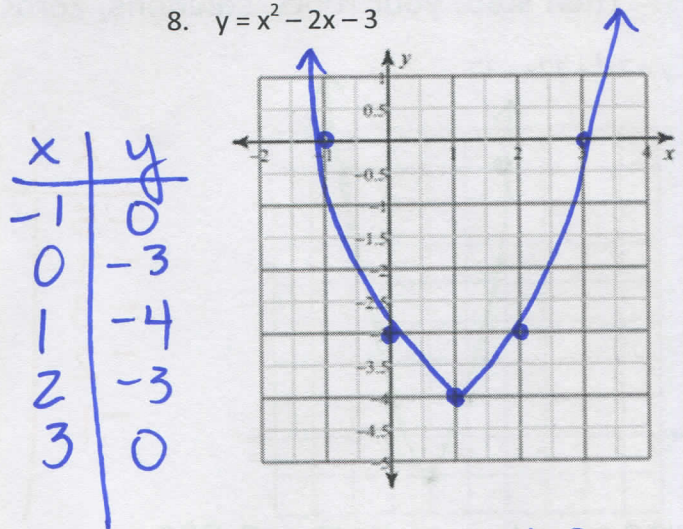
RZS: $x = -2, 0$
 X-int: $(-2, 0) \ \& \ (0, 0)$

6. $y = -2x^2 + 8x - 6$



RZS: $x = 1, 3$
 X-int: $(1, 0) \ \& \ (3, 0)$

8. $y = x^2 - 2x - 3$



RZS: $x = -1, 3$
 X-int: $(-1, 0) \ \& \ (3, 0)$

CYU Reflection: How far can you go: basic, intermediate, or advanced?

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

