Name:	Date:
Торіс:	Class:

Main Ideas/Questions	Notes/Examples		
TUC	The quadratic formula is another method to use to solve a quadratic equation. Solve the equation below using the quadratic formula.		
	Steps	Example	
QUADRATIC FORMULA	Make sure the equation is set equal to 0 and written in standard form .	$x^2 - 5x - 36 = 0$	
$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2}$	2 Identify a, b , and c .		
2 <i>a</i>	3 Substitute these values into the formula and SIMPLIFY!		
	Directions: Solve each equation using the quadratic formula.		
YOU TRY!	1. $x^2 - 8x = 20$ 3. $3r^2 - 12 = 0$	2. $2x^2 + 7x + 3 = 12$ 4. $r^2 + 15r = 6r$	
	5. $-x^2 - 10x - 21 = 0$	6. $4x^2 + 9x = 12x$	

	7. $x^2 + 7x = x - 10$	8. $3x^2 - 5x = 4 - 3x^2$
	Directions: Solve each equation using the quadratic formula. Write all	
	9. $r^2 + 4r + 1 = 0$	$10x^2 - 2x + 7 = 0$
IKKATIONAL		201 x 2x + y = 0
SUULTIONS		
	11. $x^2 + x + 9 = 20$	12. $4x^2 - 7x = -2$
	13. $x^2 + 3 = 8x - x^2$	14. $3x^2 - 6x = 12$
		@ Ging Wilson (All Things Algebra® U.C.) 2012-2017