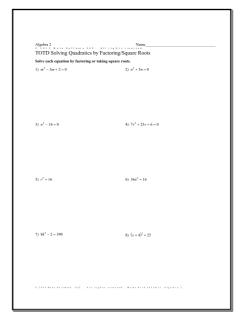


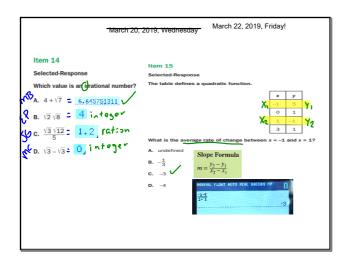
Algebra 2 Name

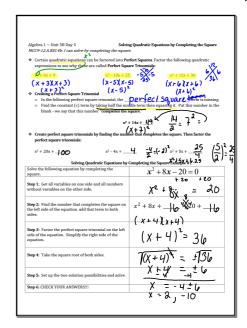
TOTD Solving Quadratics by Factoring Square Roots

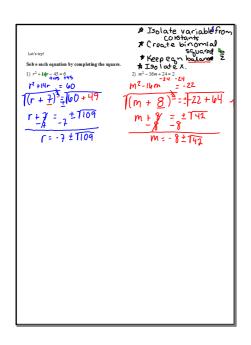
Solve each equation by factoring or taking square roots.

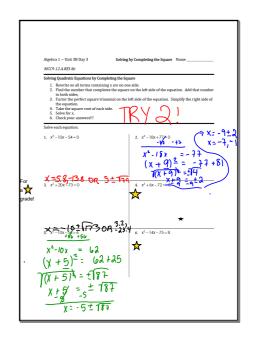
1)  $b^2 + 4b = 0$ 2)  $b^2 - 5b - 6 = 0$ 3)  $p^2 - 1 = 0$ 4)  $10b^2 - 17c + 3 = 0$ 5)  $x^2 = 4$ 6)  $x^2 + 8 = 12$ 







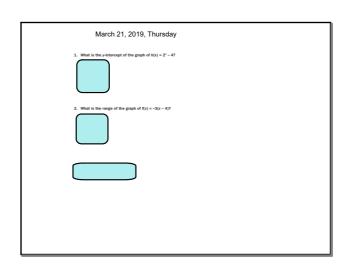




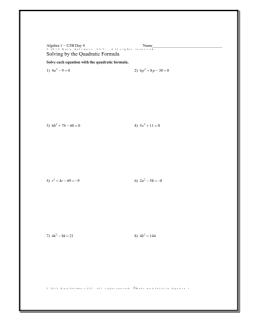
Algebra 2	Name_
TOTD Solving Quadratics (Fa	actoring/Sq. Root/Completing the Square)
Solve each equation by factoring.	
1) $k^2 - 8k = 0$	2) $n^2 - 16 = 0$
3) x <sup>2</sup> + 9x + 14 = 0	4) $5m^2 - 23m - 10 = 0$
3) 1 +91+14=0	4) 34 - 234 - 10 - 0
Solve each equation by taking square 5) $9x^2 = 9$	roots.  6) $4x^2 + 3 = 403$
3) 92 = 9	0) 42 +3 = 403
Solve each equation by completing the $71 \cdot x^2 - 4x + 3 = 0$	e square. 8) $k^2 + 12k + 35 = 0$
7) X - 4X + 3 = 0	8) #" + 12# + 35 = 0
	rights reserved. Nade with infinite Algebra 2.

Algebra 2	Name
TOTD Solving Quadratics (Fa	ctoring/Sq. Root/Completing the Square)
Solve each equation by factoring.	
1) $n^2 - 4n - 21 = 0$	2) $x^2 - 9 = 0$
3) $n^2 - 6n = 0$	4) $2r^2 + 15r - 8 = 0$
-,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Solve each equation by taking square	
Solve each equation by taking square $5) -6x^2 = -216$	6) 8x <sup>2</sup> - 5 = 387
., 2.0	,
Solve each equation by completing the $71 n^2 + 16n - 36 = 0$	square. 8) $n^2 - 16n + 60 = 0$
7) 11 - 1011 - 30 - 0	0) 11 - 1111 - 100 - 0
	to reserved. Made with Infinite Algebra 2.

formula:	$x$ quadratic equation $(ax^2 + bx + ax)$ $x = \frac{-(b) \pm \sqrt{6}}{a}$ quadratic formula to solve for $x$	c = 0) can be found by evalu	
$2.9x^2 + 2 = 3x$			
$3x^2 - 6x = 9$			



Algebra 1 – Day 4
The solutions of any quadratic equation  $(ax^2+bx+c=0)$  can be found by evaluating the quadratic formula:  $x=\frac{-(b)\pm\sqrt{(b)^2-4(a)(c)}}{2(a)}$ Examples: Use the quadratic formula to solve for x  $2 = \frac{1}{2} + \frac{1}{2}$ 





Algebra I	Nametions (any method)	
Solve each equation your way (by factoring, square root, completing the square, or quadratic formula). SHOWALL OF YOUR WORK!!!		
1) $p^2 + 2p - 143 = 0$	2) 4x <sup>2</sup> - 9 = 0	
3) $4x^2 - 7x - 15 = 0$	4) $4v^2 + 3v - 27 = 0$	
3) $4x^{\circ} - 7x - 15 = 0$	4) $4v^{2} + 3v - 27 = 0$	

