Name:	Date:	
Solving Quadratic Equations by Factoring		
Solving Quadratics by Factoring		
Do Now:		
1. Factor $x^2 + 3x - 54$	2. Put $x^2 - 7x = -10$ in standard form.	
	<u> </u>	
Steps:		
1. Transform the equation into	, if necessary. $(ax^2 + bx + c)$	
2 the quadratic express	sion.	
3. Set each factor equal to, if	f it has a	
1. Solve for the		
5 by substituting each	h answer into the original equation.	
3. $2x^2 = 3x$	4. $x^2 = 3x - 2$	
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$5. \ \mathbf{x}^2 - 49 = 0$	$6. \ 3x^2 - 12 = 0$	
7. $x^2 - 8x + 16 = 0$	8. $x^2 - x - 12 = 0$	
7. X - 0X + 10 - 0	0. x - x - 12 - 0	
	10 10 01 0	
9. $m^2 - 64 = 0$	10. $d^2 - 2d = 0$	
11. $y^2 - 3y = 28$	12. $x^2 = 9x - 20$	
13. $x(x-2) = 35$		

Name:	Date:
HW: Solving Quadratic Equations by Factoring	Period:

Solving Quadratics by Factoring HOMEWORK

Directions: Solve each equation and check.		
1. $x^2 - 8x + 16 = 0$	$2. \ \mathbf{x}^2 - 4\mathbf{x} - 5 = 0$	
3. $z^2 - 4 = 0$	4. $y^2 - 3y = 28$	
M9 - 101	$6. \ \mathbf{x}^2 + 3\mathbf{x} - 4 = 50$	
5. $x^2 = 121$	6. $x^2 + 3x - 4 = 50$	