Name:				Date:	
Topic:				Class:	
Main Ideas/Questions Notes/Examples					
SOLVING Quadratics BY FACTORING	1	MOVE ALL TERMS to one side and set the equation EQUAL TO 0.			
	2	FACTOR!			
	3	SET EACH FACTOR EQUAL TO 0 and SOLVE for each x-value.			
	4	Write your answer as	a SOLUTIO	N SET. X = {}	
Directions: Solve each equation by factoring.					
$3. x^2 + 9x = 0$			<b>2.</b> $4x^2 - 8$ <b>4.</b> $9x^2 - 2$		
$5. x^2 - 10x + 21 = 0$			6. $2x^2-2$	x - 24 = 0	
$7. \ 3x^2 - 13x - 30 = 0$			<b>8.</b> $6x^2 + 5$	6x-4=0	

$9.2x^2 = 5x$	
J. 21 - 31	
<b>11.</b> $2x^2 - 50 = x^2 - 1$	
I.	
<b>13.</b> $x^2 + 2x = 80$	
2	
<b>15.</b> $2x^2 - 9x - 65 = x^2 - x$	
47 2 2	
<b>17.</b> $2x^2 = x + 21$	