Cornell Notes Topic:		M7 L5 Solving Equations with Radical Notes	Name:			
AVID a. Evalua		e square root and cube root symbols to represent solutions to	Class/Period:			
		the square roots of perfect squares less than or equal to 225.	Date:			
Learning Target: I can [ML(1]						
Questions:		Notes:				
		Example 1				
	1 (10 - 51)					
		$x^3 + 9x = \frac{1}{2}(18x + 54)$				

Questions:	Notes:
	Example 2
	x(x-3) - 51 = -3x + 13

M7 L5 Classwork

Partner B Name: Cohort:

Partner A Name:_____

Partner A do odd number questions Partner B do even number questions

Exercises

Find the positive value of x that makes each equation true, and then verify your solution is correct.

1.

a. Solve $x^2 - 14 = 5x + 67 - 5x$.

b. Explain how you solved the equation.

2. Solve and simplify: x(x-1) = 121 - x

M7 L5 Classwork

Partner A Name:	Partner B Name:	 Cohort:
Partner A do odd number questions		
Partner B do even number questions		

3. A square has a side length of 3x inches and an area of 324 in². What is the value of x?

4. $-3x^3 + 14 = -67$

5. x(x + 4) - 3 = 4(x + 19.5)

6. $216 + x = x(x^2 - 5) + 6x$

M7 L5 Solving Equations with Radicals Exit Ticket

Name:_____ Cohort:____

Find the positive value of x that makes the equation true, and then verify your solution is correct. 1.

 $x^2 + 4x = 4(x + 16)$

Find the positive value of x that makes the equation true, and then verify your solution is correct. 2.

 $(4x)^3 = 1728$