Name:		_ Date:	_ Block:
	Section 7-1	!: Radical Expressions	
/arm-up:			
actor the following:			
1) 121	2) 100	3) $x^2 - 25$	$4)x^2 + 20x + 100$
quare Roots:			
> has a	has a square root of		
		because	
➤ VOCAB: A <u>F</u>	visit this idea a little l	is a	
	lical Expressions es would include:		

Section 7-1: Radical Expressions

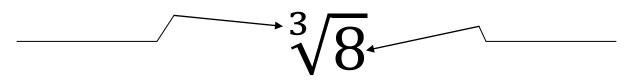
- > EXAMPLE PROBLEMS:
- 1) $\sqrt{121}$
- 2) $\sqrt{100}$
- 3) $\sqrt{(x-2)^2}$ 4) $\sqrt{x^2+20x+100}$

- 5) $\sqrt{(2x)^2}$
- 6) $\sqrt{4}$
- 7) $\sqrt{(2x+7)^2}$ 8) $\sqrt{x^2+10x+25}$

Odd and Even Roots:

- \triangleright We can find more than just the square roots, we can find 3^{rd} , 4^{th} , 5^{th} , etc.. roots.
 - o _____ has a cube root of _____ because ____
 - o _____ has a cube root of _____ because ____

NOTATION:



This is read as, "the _____ root of ____."

THINGS TO CONSIDER:

- Why can we get negative cube roots? (Hint: [negative #] * [negative #] = ?)
- ➤ Odd number roots –
- ➤ Even number roots –