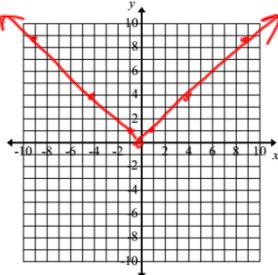


- 6) The $\sqrt{4}$ stands for the positive value of _____.
- 7) To find the negative square root you need to write $-\sqrt{4}$, which equals ______.
- 8) Complete the following table of values and graph the points.

x	$\sqrt{x^2}$
0	
1	
-1	1
4	4
-4	4
9	9
-9	9

- same outcome (y values)

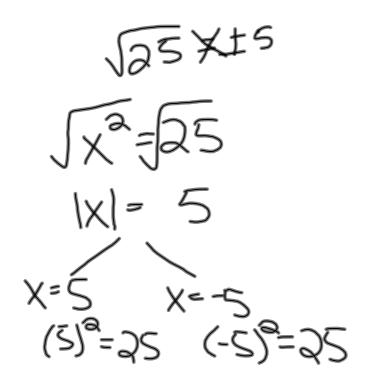


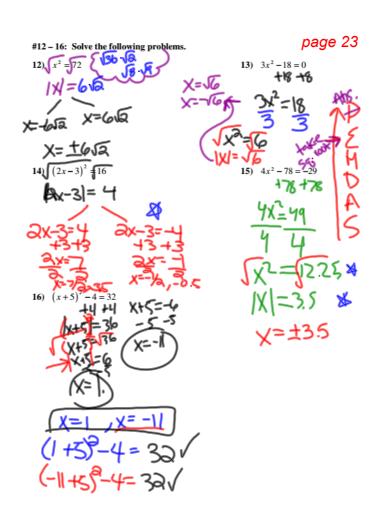
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What conclusions can you draw about the solutions to $f(x) = \sqrt{x^2}$ when compared to the solutions of f(x) = |x|?

For all real numbers, $\sqrt{x^2} = |x|$

10) What does this mean





UNIT 5 Part 3: Intermediate Algebra B Name: _____Period:___

Use this guide to help you evaluate where you are at in this chapter, and identify areas that you need extra help in.

©=Proficient (you are a wesome at this). ©=Middle (you need some improvement). ©=Not Proficient (HELP!)

	()	Intermediate Algebra				(***	
Date Covered	LT Letter	Learning Target (LT) (What you should know)	Practice Problems	Homework Score	Self-Evaluation (Do you know it?)		
4117	8.1A	I can graph absolute value equations and demonstrate understanding of the features of its graph.	8.1A #1-12 (P-173)		8	⊜	0
420	8.2 A	I can solve absolute value equations.	8.2A #1-9 (P-183)		8	⊜	0
/// 21	5.2 E		5.2 E #1-8 (P-19)		8	e	0
412	5.2 F	I can solve quadratic equations by square roots to get real or complex solutions.	5.2 F #2-5, 7-15 (P-15)		8	e	©
4/23	5.2 H		5.2 H #1-6, 14-19 (P-29)		8	⊜	0
	5.2 N	I can choose the best method to solve for quadratic equations.	5.2 N #1-3,5-7, 12-17 (P-41)		8	@	0
	5.2 O		5.2 O #1-8 (P-51)		8	(4)	0
4/28	NO CLASS. ACT TESTING!						
4/29	Uı	nit 5 Part 3 Review	Review Packet		8	@	0
Test I		Test Reminders:		TEST TOTAL: # of Questions = Points =	Reviev answe Did yo ones y	v Done? Y v Checked r key? Y/I u ask abo ou didn't i do? Y/N	l with N ut the know

Updated 4/17/2015

8. The stopping distance "d" (in meters) that a car needs to come to a complete stop when traveling at speed "x" (in km/h) can be modeled by the equation d = 0.009 (x+15)² + 3. On a certain road, drivers cannot see a stop sign until they are approximately 20 meters away. What is the maximum speed that should be posted in order to allow cars enough room to stop in time? Round your answer to the nearest whole number and verify four solution.



d=20 $20 = 0.009(x+15)^{2}+3$ $17 = 0.009(x+15)^{2}$ 0.009 0.009 $1888.88 = (x+15)^{2}$ 43.46 = |x+15| 43.46 = x+15 -15 28.46 = x 28.46 = x -58.46 = x 28.46 = x