Name: Date:	Unit 1 Class Work
Solving Absolute Value Equations Class Work	
➢ Quick Recall: What is absolute value?	
	n equation
1. The absolute value of a number is 8.	
2. The absolute value of a number is -4.	
3. The absolute value of the product of a number and 5 is 60.	
4. One less than the absolute value of the difference between some number is 21.	nine and

Try Some More Practice!

5.
$$-3|2W - 10| = -57$$

6.
$$|2x + 3| + 14 = 3x - 11$$

Did you check your solutions? If not, make sure you go back and do so.

What do you notice?!

* Beware of Extraneous Solutions: A solution is extraneous if it produces an equation that is invalid in the real number system when substituted into the original equation.

Try Some More Practice!

7.
$$2|y-1|+9=8y-3$$

8.
$$4x - |10 - x| = 8$$

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3-2-1 Sum it Up!

- Describe (in no more than three short sentences) the process of solving any given absolute value equation. Make sure your description is clear enough that someone who is not in this class could follow along.
- 2 There are many reasons why checking your work is essential for success! List any two of them.
- Solve this one final problem: 2|x-2|-2=6x