

## SM2-A HW #1-6 (Abs Value Equations)

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation.**

1)  $|1 + b| = 9$

2)  $|-4 + x| = 9$

3)  $|x + 10| = 15$

4)  $|v - 7| = 4$

5)  $|x - 9| + 5 = 7$

6)  $|v + 1| + 9 = 18$

7)  $9|9 + x| = 27$

8)  $2|9 + k| = 18$

9)  $|-10p + 5| = 65$

10)  $|10 - 4n| = 2$

11) What does "the absolute value of 5" mean? Use distance in your explanation.

12) What property is shown below?

$$5 \div 5 = 1$$

13) What property is shown below?

$$3 + (-3) = 0$$

14) What property is shown below?

$$\frac{3}{3} * \frac{2}{5} = \frac{2}{5} = \frac{6}{15}$$