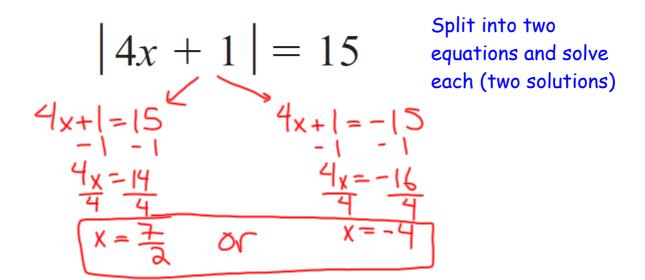
Homework Review - Sections 3.7, 3.8

## Solving Absolute Value Equations:

$$|7| = 7$$
 $|-7| = 7$ 
What is absolute value?

$$|a| = a$$
 for  $a < 0$  Absolute value of positive and negative numbers

## Solving Absolute Value Equations:



$$\frac{1}{3} |1 - 8x| = 2$$

$$\frac{1}{3} |1 - 8x| = 2$$

$$\frac{1}{3} |1 - 8x| = 2$$

$$\frac{2 \div -1}{3} = 2$$

$$2 \cdot -\frac{1}{3} = 2$$
No Solution

**6.** 
$$|2x-3|=15$$

**8.** 
$$|7x + 2| = 23$$

10. 
$$3|2x-2|=18$$

$$2|6x+5|-1=25$$

$$|6x+5|=26$$

$$|6x+5|=13$$
12.  $2|6x+5|-1=25$ 

$$6x+5=13$$

$$-5-5$$

$$6x=8$$

$$x=8$$

$$|x + 3| - 4 = -1$$

$$|x + 3| - 4 = -1$$
  $|x - 8| - 9 = -5$ 

$$-3 |4x + 3| = -9$$
  $-6 |10 - 2x| = 24$ 

$$-6 |10 - 2x| = 24$$

## Homework:

p. 393; 3 - 18 by 3, 23, 26, 29 (for story problems, set up equation first...)