

Names: _____

Activity #3: Compound Equations

College Algebra

1. Find all solutions of the following inequality.

$$|4x - 2| + 12 \leq 14$$

2. Find all solutions of the following inequality.

$$|5x - 3| + 9 \geq 11$$

3. Find all solutions of the following inequality.

$$2|4x + 9| + 13 < 18$$

4. Find all solutions of the following inequality.

$$2|5x + 6| + 12 > 28$$

5. Find all solutions of the following inequality.

$$|-2x + 7| + 14 \leq 27$$

6. Find all solutions of the following inequality.

$$|-3x + 2| + 9 \geq 20$$