

Names: _____

Activity #3: Compound Equations

College Algebra

1. Find all solutions of the following inequality.

$$|5x - 4| + 14 \leq 30$$

2. Find all solutions of the following inequality.

$$|5x + 4| + 9 \geq 28$$

3. Find all solutions of the following inequality.

$$2|3x + 2| + 7 < 30$$

4. Find all solutions of the following inequality.

$$2|5x + 3| + 7 > 15$$

5. Find all solutions of the following inequality.

$$|-4x - 9| + 8 \leq 27$$

6. Find all solutions of the following inequality.

$$|-2x + 1| + 9 \geq 14$$