Activity #3: Compound Equations   **College Algebra**

1. Find all solutions of the following inequality.

$$|5x - 5| + 8 \leq 23$$

2. Find all solutions of the following inequality.

$$|2x - 2| + 8 \geq 30$$

3. Find all solutions of the following inequality.

$$2|4x + 9| + 8 < 29$$

4. Find all solutions of the following inequality.

$$2|4x + 2| + 12 > 18$$

5. Find all solutions of the following inequality.

$$|-5x + 2| + 7 \leq 24$$

6. Find all solutions of the following inequality.

$$|-3x - 7| + 10 \geq 27$$