Names: _____ _____ _____

Activity #1: Linear-ish Equations   **College Algebra**

1. Find all solutions of the following equation.

$$|5x - 9| + 9 = 15$$

2. Find all solutions of the following equation.

$$\frac{x}{x - 5} + 5 = \frac{5}{x - 5}$$

3. Find all solutions of the following equation.

$$|9x - 12| + 18 = 17$$

4. Find all solutions of the following equation.

$$\frac{x}{x-4} + 5 = \frac{10}{x-4}$$

5. Find all solutions of the following equation.

$$-15 - |2x - 9| = |2x - 9| - 15$$

6. Find all solutions of the following equation.

$$\frac{1}{2} + \frac{1}{x-3} = 1$$