Names: _____ _____ _____

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

1. Find all solutions of the following equation.

$$|-4x - 2| + 5 = 27$$

2. Find all solutions of the following equation.

$$\frac{x}{x - 7} + 7 = \frac{7}{x - 7}$$

3. Find all solutions of the following equation.

$$|-3x + 20| + 15 = 12$$

4. Find all solutions of the following equation.

$$\frac{x}{x+3} + 3 = \frac{4}{x+3}$$

5. Find all solutions of the following equation.

$$-1 - |6x - 10| = |6x - 10| - 1$$

6. Find all solutions of the following equation.

$$\frac{3}{7} + \frac{1}{x-4} = 1$$