

Names: _____

Activity #1: Linear-ish Equations

College Algebra

1. Find all solutions of the following equation.

$$|2x + 5| + 15 = 18$$

2. Find all solutions of the following equation.

$$-10 - |5x + 1| = |5x + 1| - 10$$

3. Find all solutions of the following equation.

$$|2x - 15| + 18 = 0$$

4. Find all solutions of the following equation.

$$\frac{x}{x+3} + 4 = \frac{5}{x+3}$$

5. Find all solutions of the following equation.

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

6. Find all solutions of the following equation.

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