Linear Equations in One Variable

1. Solve each linear equation:

$$4x - 3 = 17$$

2. Solve each linear equation:

$$-9z + 7 = -6z + 1$$

3. Solve each linear equation:

$$9(z - 2) = 9$$

4. Solve each linear equation:

$$\frac{2x}{5} + \frac{x}{2} = \frac{3}{4}$$

5. Solve each linear equation:

$$\frac{5x - 1}{2} - \frac{4x + 3}{3} = \frac{-5}{6}$$

6. Solve the equation. Identify each equation as an identity, contradiction, or conditional equation.

$$8(s+2) = 2s + 6s$$

7. Solve the equation. Identify each equation as an identity, contradiction, or conditional equation.

$$4(w+1) - 5w = 5(w+2) + 6(-1-w)$$

8. Solve the equation. Identify each equation as an identity, contradiction, or conditional equation.

$$\frac{9x-1}{4} - \frac{5x-1}{2} = \frac{7}{3}$$