

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Solve the Multi-Step Equations - Fractions**

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

$$\frac{2}{3}(x + 5) = \frac{4}{9}$$

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

$$\frac{1}{5}\left(\frac{x}{2} + \frac{3}{4}\right) = \frac{1}{4}$$

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

$$\frac{4}{x - 2} = \frac{2}{3}$$

Student Name: \_\_\_\_\_

Score: \_\_\_\_\_

### Answers

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

$$x = 1$$

$$\frac{2}{3}(x + 5) = \frac{4}{9}$$

$$x = -\frac{13}{3} \text{ or } -4\frac{1}{3}$$

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

$$x = -9$$

$$\frac{1}{5}\left(\frac{x}{2} + \frac{3}{4}\right) = \frac{1}{4}$$

$$x = 1$$

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

$$x = \frac{1}{5}$$

$$\frac{4}{x - 2} = \frac{2}{3}$$

$$x = 8$$