

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

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

**Solve the Multi-Step Equations - Integers**

$$4x + 7 - 6x = 5 - 4x + 4$$

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

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

$$3(5x - 2) + 4x = 9x + 6 - 2x$$

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

$$5(2x + 3) = 3(4x + 1) - 2(3x + 2)$$

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### Answers

$$4x + 7 - 6x = 5 - 4x + 4$$

$$x = 1$$

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

$$x = -1$$

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

$$x = 2$$

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

$$x = 6$$

$$3(5x - 2) + 4x = 9x + 6 - 2x$$

$$x = 1$$

$$5(2x + 3) = 3(4x + 1) - 2(3x + 2)$$

$$x = -4$$