

Multi-Step Linear Equations Practice

Name _____

Date 9/11/2026

Solve linear equations requiring distribution and more than one inverse operation.

$$4(x + 8) - 3 = 21$$

1.

$$3(x + 2) - 3 = 24$$

4.

$$6(x + 8) - 3 = 27$$

2.

$$6(x + 6) - 3 = 3$$

5.

$$6(x + 1) - 3 = 51$$

3.

$$4(x + 3) - 3 = 21$$

6.

Multi-Step Linear Equations Practice — Answer Key

Name _____

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Solve linear equations requiring distribution and more than one inverse operation.

$$4(x + 8) - 3 = 21$$

1.

$$\text{Answer: } x = -2$$

$$3(x + 2) - 3 = 24$$

4.

$$\text{Answer: } x = 7$$

$$6(x + 8) - 3 = 27$$

2.

$$\text{Answer: } x = -3$$

$$6(x + 6) - 3 = 3$$

5.

$$\text{Answer: } x = -5$$

$$6(x + 1) - 3 = 51$$

3.

$$\text{Answer: } x = 8$$

$$4(x + 3) - 3 = 21$$

6.

$$\text{Answer: } x = 3$$