

# Two-Step Equations

Grades 7-8 • Solving two-step algebraic equations

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

Date: \_\_\_\_\_

1. Solve for x:  $7x + 7 = 28$

Answer: \_\_\_\_\_

2. Solve for x:  $4x - 4 = 24$

Answer: \_\_\_\_\_

3. Solve for x:  $5x - 10 = 40$

Answer: \_\_\_\_\_

4. Solve for x:  $4x + 2 = 38$

Answer: \_\_\_\_\_

5. Solve for x:  $2x - 6 = -2$

Answer: \_\_\_\_\_

6. Solve for x:  $6x - 14 = 4$

Answer: \_\_\_\_\_

7. Solve for x:  $3x - 9 = -3$

Answer: \_\_\_\_\_

8. Solve for x:  $7x - 5 = 51$

Answer: \_\_\_\_\_

9. Solve for x:  $8x - 14 = 50$

Answer: \_\_\_\_\_

10. Solve for x:  $6x + 10 = 16$

Answer: \_\_\_\_\_



## Answer Key

1.	Solve for x: $7x + 7 = 28$	<b>3</b>
2.	Solve for x: $4x - 4 = 24$	<b>7</b>
3.	Solve for x: $5x - 10 = 40$	<b>10</b>
4.	Solve for x: $4x + 2 = 38$	<b>9</b>
5.	Solve for x: $2x - 6 = -2$	<b>2</b>
6.	Solve for x: $6x - 14 = 4$	<b>3</b>
7.	Solve for x: $3x - 9 = -3$	<b>2</b>
8.	Solve for x: $7x - 5 = 51$	<b>8</b>
9.	Solve for x: $8x - 14 = 50$	<b>8</b>
10.	Solve for x: $6x + 10 = 16$	<b>1</b>