

# Two-Step Equations

Grades 7-8 • Solving two-step algebraic equations

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

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

1. Solve for x:  $6x - 14 = 10$

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

2. Solve for x:  $4x + 5 = 17$

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

3. Solve for x:  $7x + 14 = 56$

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

4. Solve for x:  $8x - 3 = 61$

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

5. Solve for x:  $8x - 12 = 4$

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

6. Solve for x:  $3x - 6 = 15$

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

7. Solve for x:  $4x - 15 = 13$

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

8. Solve for x:  $7x + 15 = 22$

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

9. Solve for x:  $8x - 2 = 46$

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

10. Solve for x:  $7x - 12 = 37$

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



## Answer Key

1.	Solve for x: $6x - 14 = 10$	<b>4</b>
2.	Solve for x: $4x + 5 = 17$	<b>3</b>
3.	Solve for x: $7x + 14 = 56$	<b>6</b>
4.	Solve for x: $8x - 3 = 61$	<b>8</b>
5.	Solve for x: $8x - 12 = 4$	<b>2</b>
6.	Solve for x: $3x - 6 = 15$	<b>7</b>
7.	Solve for x: $4x - 15 = 13$	<b>7</b>
8.	Solve for x: $7x + 15 = 22$	<b>1</b>
9.	Solve for x: $8x - 2 = 46$	<b>6</b>
10.	Solve for x: $7x - 12 = 37$	<b>7</b>