

# Basic Algebra

Grades 7-8 • Solving one-step algebraic equations

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

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

1. Solve for  $x$ :  $x - 13 = 2$

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

2. Solve for  $x$ :  $3x = 3$

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

3. Solve for  $x$ :  $x - 17 = 23$

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

4. Solve for  $x$ :  $x - 14 = 20$

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

5. Solve for  $x$ :  $x + 13 = 22$

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

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

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

7. Solve for  $x$ :  $x/9 = 5$

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

8. Solve for  $x$ :  $x/6 = 5$

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

9. Solve for  $x$ :  $x - 20 = 12$

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

10. Solve for  $x$ :  $x + 11 = 40$

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



## Answer Key

1.	Solve for x: $x - 13 = 2$	<b>15</b>
2.	Solve for x: $3x = 3$	<b>1</b>
3.	Solve for x: $x - 17 = 23$	<b>40</b>
4.	Solve for x: $x - 14 = 20$	<b>34</b>
5.	Solve for x: $x + 13 = 22$	<b>9</b>
6.	Solve for x: $x - 7 = 3$	<b>10</b>
7.	Solve for x: $x/9 = 5$	<b>45</b>
8.	Solve for x: $x/6 = 5$	<b>30</b>
9.	Solve for x: $x - 20 = 12$	<b>32</b>
10.	Solve for x: $x + 11 = 40$	<b>29</b>