

Translating a sentence into a one-step equation: Worksheet 6.1

Name Date Score

Express each of the following sentences into one-step equations.

(Hint: Use x as the unknown number)

1. A number increased by 4 is 12
2. 9 more than 2 times a number is 15
3. The sum of 23 and a number is 23
4. Eleven times a number added to 5 is 16.
5. A number minus 6 is 10
6. Six times a number less 6 is 48
7. Twelve less than 5 times a number is 38
8. Eight times a number minus 2 equals 94
9. The sum of 21 and thrice a number is 69
10. The difference of twice a number and 3 is 5



Solutions: Worksheet 6.1

1. $x + 4 = 12$

2. $2x + 9 = 15$

3. $23 + x = 23$

4. $11x + 5 = 16$

5. $x - 6 = 10$

6. $6x - 6 = 48$

7. $5x - 12 = 38$

8. $8x - 2 = 94$

9. $21 + 3x = 69$

10. $2x - 3 = 5$

