

## Translating a sentence into a one-step equation: Worksheet 6.3

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 6 is 12
2. 7 more than 2 times a number is 15
3. The sum of 23 and a number is 31
4. Ten times a number added to 5 is 15.
5. A number minus 6 is 12
6. Seven times a number less 6 is 43
7. Twelve less than 5 times a number is 43
8. Six times a number minus 2 equals 94
9. The sum of 27 and thrice a number is 63
10. The difference of thrice a number and 7 is 8



## Solutions: Worksheet 6.3

1.  $x + 6 = 12$

2.  $2x + 7 = 15$

3.  $23 + x = 31$

4.  $10x + 5 = 15$

5.  $x - 6 = 12$

6.  $7x - 6 = 43$

7.  $5x - 12 = 43$

8.  $6x - 2 = 94$

9.  $27 + 3x = 63$

10.  $3x - 7 = 8$

