



# Algebraic Expressions

Version 1

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

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

Score: \_\_\_\_\_

Direction: Express each phrase into an algebraic expression.

- 1) the sum of a number and 7
- 2) the difference of a number and 5
- 3) the difference of 3 and a number
- 4) product of a number and 2
- 5) product of two different numbers
- 6) quotient of a number and 10
- 7) quotient of 8 and a number
- 8) the sum of a number and 1 divided by 2
- 9) the difference of 3 and a number multiplied by 5
- 10) 4 less than the product of 7 and  $x$

Name: \_\_\_\_\_ **ANSWER KEY**

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

Score: \_\_\_\_\_

Direction: Express each phrase into an algebraic expression.

1) the sum of a number and 7

$$x + 7$$

2) the difference of a number and 5

$$x - 5$$

3) the difference of 3 and a number

$$3 - x$$

4) product of a number and 2

$$2x$$

5) product of two different numbers

$$xy$$

6) quotient of a number and 10

$$\frac{x}{10}$$

7) quotient of 8 and a number

$$\frac{8}{x}$$

8) the sum of a number and 1 divided by 2

$$\frac{x + 1}{2}$$

9) the difference of 3 and a number multiplied by 5

$$3 - 5x$$

10) 4 less than the product of 7 and  $x$

$$7x - 4$$