

Name \_\_\_\_\_ Date \_\_\_\_\_

## Writing Algebraic Expressions

Directions: Change each statement into an algebraic expression.

1) 5 less than a number  $k$

$$k - 5$$

2) seven more than twice a number  $b$

$$2b + 7$$

3) The sum of 3 and a number  $w$  multiplied by 5

$$5(3 + w)$$

4) The difference of a number  $w$  and 3 divided by 6.

5) The product of 3 and a number  $f$  decreased by 12

$$3f - 12$$

6) A number  $p$  increased by 7

$$p + 7$$

7) The quotient of 25 divided by a number  $t$  multiplied by 3

$$\frac{25}{3t}$$

8) The sum of 5 and a number  $y$

$$5 + y$$

9) 20 times a number  $y$  divided by 10

$$\frac{20y}{10}$$

10) 20 less than the product of 3 and a number  $y$

$$3y - 20$$

11) The product of 15 and a number  $z$

$$15z$$

12) The difference of a number  $r$  and 13

$$r - 13$$

13) The square of a number  $g$  divided by 5

$$\frac{g^2}{5}$$

14) The cube of 4 less than a number  $y$ .

$$(y - 4)^3$$

15) The sum of a number  $p$  and 1.5

$$p + 1.5$$

16) The difference of a number  $y$  and 5 squared

$$y - 5^2$$