

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

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

# Evaluating Algebraic Expressions

Evaluate the algebraic expressions for the given values of each variable.

1.  $\frac{r}{s} - 1$  at  $r = -10, s = 2$

\_\_\_\_\_

2.  $4(x + y)$  at  $x = 2, y = 3$

\_\_\_\_\_

3.  $10 + pq$  at  $p = 4, q = 5$

\_\_\_\_\_

4.  $\frac{m - n}{4}$  at  $m = 6, n = 2$

\_\_\_\_\_

5.  $a^2b^2$  at  $a = 1, b = 3$

\_\_\_\_\_

6.  $\frac{u - v}{2}$  at  $u = 10, v = 4$

\_\_\_\_\_

7.  $10 + xy$  at  $x = -2, y = -4$

\_\_\_\_\_

8.  $\frac{e^2}{f}$  at  $e = 5, f = 1$

\_\_\_\_\_

9.  $s^2 + t$  at  $s = 2, t = 7$

\_\_\_\_\_

10.  $\frac{6g}{h}$  at  $g = 6, h = 3$

\_\_\_\_\_

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# Evaluating Algebraic Expressions

## Answers

1.  $\frac{r}{s} - 1$  at  $r = -10, s = 2$

-6

2.  $4(x + y)$  at  $x = 2, y = 3$

20

3.  $10 + pq$  at  $p = 4, q = 5$

30

4.  $\frac{m - n}{4}$  at  $m = 6, n = 2$

1

5.  $a^2b^2$  at  $a = 1, b = 3$

9

6.  $\frac{u - v}{2}$  at  $u = 10, v = 4$

3

7.  $10 + xy$  at  $x = -2, y = -4$

18

8.  $\frac{e^2}{f}$  at  $e = 5, f = 1$

25

9.  $s^2 + t$  at  $s = 2, t = 7$

11

10.  $\frac{6g}{h}$  at  $g = 6, h = 3$

12