

**Assignment 11: Evaluating Expressions and Verbal Expressions****Evaluate each using the values given.**

1)  $3b - c$ ; use  $b = 4$ , and  $c = 1$

2)  $m - p \div 5$ ; use  $m = 6$ , and  $p = 5$

3)  $x(x - y)$ ; use  $x = 6$ , and  $y = 1$

4)  $n + m \div 2$ ; use  $m = 2$ , and  $n = 1$

5)  $pmq$ ; use  $m = 5$ ,  $p = 3$ , and  $q = 3$

6)  $y(x + 2)$ ; use  $x = 5$ , and  $y = 3$

7)  $q - p^2$ ; use  $p = 2$ , and  $q = 5$

8)  $y + xy$ ; use  $x = 4$ , and  $y = 6$

9)  $x + y - y$ ; use  $x = 5$ , and  $y = 6$

10)  $6 + j - h$ ; use  $h = 1$ , and  $j = 2$

**Write each as an algebraic expression.**

11) the product of 4 and k

12) c increased by 9

13) the quotient of 18 and a

14) r increased by 7

15) the product of 2 and n

16) 8 less than 29

17) 9 increased by 10

18) the product of x and 9

19) 3 cubed

20) c less than 19

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1)  $3b - c$ ; use  $b = 4$ , and  $c = 1$

11

2)  $m - p \div 5$ ; use  $m = 6$ , and  $p = 5$

5

3)  $x(x - y)$ ; use  $x = 6$ , and  $y = 1$

30

4)  $n + m \div 2$ ; use  $m = 2$ , and  $n = 1$

2

5)  $pmq$ ; use  $m = 5$ ,  $p = 3$ , and  $q = 3$

45

6)  $y(x + 2)$ ; use  $x = 5$ , and  $y = 3$

21

7)  $q - p^2$ ; use  $p = 2$ , and  $q = 5$

1

8)  $y + xy$ ; use  $x = 4$ , and  $y = 6$

30

9)  $x + y - y$ ; use  $x = 5$ , and  $y = 6$

5

10)  $6 + j - h$ ; use  $h = 1$ , and  $j = 2$

7

**Write each as an algebraic expression.**

11) the product of 4 and  $k$

 $4k$ 

12)  $c$  increased by 9

 $c + 9$ 

13) the quotient of 18 and  $a$

 $\frac{18}{a}$ 

14)  $r$  increased by 7

 $r + 7$ 

15) the product of 2 and  $n$

 $2n$ 

16) 8 less than 29

 $29 - 8$ 

17) 9 increased by 10

 $9 + 10$ 

18) the product of  $x$  and 9

 $x \cdot 9$ 

19) 3 cubed

 $3^3$ 

20)  $c$  less than 19

 $19 - c$