

NAME: \_\_\_\_\_

1. Evaluate  $\frac{y}{3x} - z$  for  $x = 4$ ,  $y = 36$ , and  $z = 1$ . [A] 2 [B] -4 [C] 4 [D] 13
2. Evaluate:  $\frac{2}{3}u - v$  for  $u = 2.1$  and  $v = 1.8$  [A] 0.20 [B] -0.4 [C] 2.4 [D] -1.1
3. Evaluate  $\frac{ef}{e + f}$  for  $e = 6$  and  $f = 11$ . [A]  $\frac{66}{17}$  [B]  $\frac{198}{17}$  [C]  $\frac{66}{85}$  [D]  $\frac{17}{66}$
4. Evaluate  $-a - a - (b - b)$  for  $a = -5$  and  $b = -4$ . [A] 0 [B] 10 [C] -18 [D] 2 [E] -2
5. Compare the quantities in Column A and Column B.  

<u>Column A</u>	<u>Column B</u>
$6z - 5$ if $z = -2$	$-6z - 5$ if $z = 2$

[A] The quantity in Column A is greater. [B] The quantity in Column B is greater.  
[C] The quantities are equal.  
[D] The relationship cannot be determined from the information given.
6. Evaluate  $\frac{np}{n + p}$  when  $n = 9$  and  $p = 15$ .

Evaluate:

7.  $22 + k$  for  $k = 25$
8.  $\frac{x}{y}$  for  $x = -\frac{1}{7}$  and  $y = -\frac{1}{11}$
9. Complete the table for the given values of  $x$ .

$x$	$3x + 3$
0	
1	
2	
3	

10. Evaluate  $2d + 5e$ , where  $d$  is 6 and  $e$  is 6.9.
11. Use  $a = -2$ ,  $b = -3$ , and  $c = 6$  to write an expression that has a value of 12.
12. Complete: "To evaluate an expression with a variable, you... ."

[1] A

[2] B

[3] A

[4] B

[5] C

[6]  $\frac{45}{8}$

[7] 47

[8]  $\frac{11}{7}$

[9] 

$x$	$3x + 3$
0	3
1	6
2	9
3	12

[10] 46.5

[11] Answers may vary. Sample:  $ab + c$

[12] Replace the variable (unknown) with a number and find the value of the expression.