

Evaluating Expression
Day 19 Unit 1 Principles

Name: _____
Pd: _____ Date: _____

OBJECTIVE: To evaluate algebraic expressions by replacing the variable.

Rapid Review. Multiple Choice. Select the best answer. Yes, you still must show all work.

1.) What is the correct first step to simplify
The following expression?

$$3(6 + 4^2) - 10 \div 2$$

a.) $6 + 4$

c.) $-10 \div 2$

b.) $3 \cdot 6$

d.) 4^2

2.) Simplify.

$$6 - 4(5 + 3) \div 2$$

a.) -13

c.) 8

b.) -10

d.) 22

Evaluate the expression when $a = 4$, $b = 2$, $c = 16$.

3.) $a + b$

4.) $a - c$

5.) $\frac{c}{b}$

Evaluate the expression when $x = -5$, $y = 3$, $z = 2$. Remember to use order of operations to simplify.

6.) $4(y + 3)$

7.) $6(x + y)$

8.) $y^2 - 3(z) + x$

Evaluate the expression when $m = -3$ and $n = 9$. Remember to use order of operations to simplify.

9.) $11 + 4m + n$

10.) $2mn + 14$

11.) $2m + 3(n - 5)$