Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 7

Chapter 4 – Expressions and Equations Bell Ringer and Notes #1



**Bell Ringer**

Show what you know by simplifying the following.

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Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 7

Chapter 4 – Expressions and Equations Notes #1

Chapter 4 – Expressions and Equations

Evaluating (Solving) Algebraic Expressions

* An **expression** does not have an equal sign**.**
* **Evaluate** is another way to say solve.
  + Plug-in (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) the values for the variables
  + Simplify (\_\_\_\_\_\_\_\_\_\_\_\_\_\_) the problem using…
    - Order of Operations: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Rules for Integers
      * Addition: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
      * Subtraction: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
      * Multiplication: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
      * Division: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
    - Knowledge of rational (\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_)

Examples: Evaluate the expression to find the numerical value.

Use the following values for the variables:

a = -8

b = 6

d = 3

x = ½

z = -1

1. 2ad + 8
2. 3b – 6z
3. 5x – 3
4. 2a – 10x
5. (-2a + 3b) + -10
6. 4x - 2a + z



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Chapter 4 – Expressions and Equations Worksheet #1

Evaluate the expression to find the numerical value.

Use the following values for the variables:

a = -3

b = 5

d = -6

x = -1

y = ¼

z = -4

1. 

1. 4y + z
2. a + 2d – 7b
3. 7 + 4(d – 8)
4. (b + 6) – (-8 + y)
5. (z – 2)(z + 5)
6. b – (3a)
7. (4x + 3) + (-2)(-3)