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

Chapter 4 –Expressions and Equations Notes/Worksheet #3

Mixed Review

**Use PEMDAS and your rules to EVALUATE each expression. Show all work.**

1. 10 – 15
2. 4 - (-2)
3. (-8)(-7)
4. $\frac{81}{-9}$
5. $3\frac{1}{2}-5\frac{3}{4}$
6. 15.8 + (-7)

1. $-\frac{3}{4} ÷ \frac{5}{8}$
2. (-7.1 + 2.8) – 32.6
3. |6 + -12| + 33
4. $3^{2}—\left|-9+ -3\right|-\sqrt{100}$

**EVALUATING EXPRESSIONS**

**Evaluate when a = 2 b = -1 c =** $2\frac{1}{3}$ **d = 2.8**

1. ac + b
2. b – a - c
3. 2a – b - 2.8
4. 3b – 8 + 3d
5. -5ab
6. b + a3

1. c2

**WORDS TO SYMBOLS**

**Translate each phrase into an algebraic expression.**

**Let x = the number unless stated otherwise.**

1. A number y increased by seven \_\_\_\_\_\_\_\_\_\_
2. A number x minus four \_\_\_\_\_\_\_\_\_\_
3. The product of a number and 3 \_\_\_\_\_\_\_\_\_\_
4. Twice a number decreased by six \_\_\_\_\_\_\_\_\_\_
5. Ten less than a number x \_\_\_\_\_\_\_\_\_\_
6. The quotient of x and a number 10 \_\_\_\_\_\_\_\_\_\_
7. The difference between 5 and m \_\_\_\_\_\_\_\_\_\_
8. Half of a number r \_\_\_\_\_\_\_\_\_\_
9. Twice the sum of 12 and x \_\_\_\_\_\_\_\_\_\_
10. Jack has 5 dollars less than Alex \_\_\_\_\_\_\_\_\_\_
11. Joey’s age is one third of his uncles age \_\_\_\_\_\_\_\_\_\_
12. Sally ran three miles more than twice the distance that Mary ran \_\_\_\_\_\_
13. Rachelle has four times as many grapes in her lunch as Jonathon \_\_\_\_\_\_