Unit 3 – Quiz 1 Review

1. How would your write 127 in expanded form? (Don’t evaluate)
2. Write the following set of expressions in order from least to greatest: 23, 111, 1000, 32
3. Write a verbal phrase that would match the algebraic expression: 7(*n* – 10)
4. Write the algebraic expression that matches the verbal phrase:

the quotient of 25 and the difference of a number, *m*, and 7

1. Which words could NOT be used to describe this algebraic expression? *w – 3*

decreased increased product split into groups minus less

1. Which phrase does NOT match the following algebraic expression: *h* – 24

24 less than *h* *h* decreased by 24 *h* less 24 the difference of a number *h* and 24

24 minus *h* 24 subtracted from *h h* subtracted by 24

1. Which word does NOT describe any part of the expression: 13*d* + 8

sum product term coefficient difference constant variable

1. Which expression represents the difference of two terms?

6(9) + 8y 7 – 8a3 1.5(4*p*)

1. Which terms describe multiplication?

Cubed squared product difference quotient times twice

1. Mr. Abel evaluated the expression *b*2 + 5*a* – 20 when *a* = 9 and *b* = 3.

*b*2 + 5*a* – 20

33 + 5(9) – 20

9 + 5(9) – 20

45(9) – 20

405 – 20

385

What was Mr. Abel’s error?

1. What is the **SECOND** step that should be done to simplify this expression?

(9 – 1)3 – 8 · 2 + 15

1. Evaluate *a*2 *–* 3*c* when *a* = 5, and *c* = 4