**Hand in Review Sheet : E-1, E-2**

Parts of Expressions

1. Complete the following table by listing the parts of the expression in the correct column of the table.

|  |  |  |  |
| --- | --- | --- | --- |
| Expression | Variable(s) | Coefficient(s) | Constant(s) |
| a) - 7b |  |  |  |
| b) 4d – 5r |  |  |  |
| c) x + 66 y |  |  |  |
| d) 3x - 4y – 6 |  |  |  |
| e) | m, n | -2, -9 | 2 |

Difference Between an Expression and an Equation

1. What is the difference between an expression and an equation? Answer in words and give an example of each to demonstrate that you know.

Writing Expressions from Words

1. Fill in the blanks with the most appropriate word(s) or operation signs (+, -, x, ÷)

Doubled means multiply by \_\_\_\_\_Tripled means multiply by \_\_\_\_\_

Increase means the operation \_\_\_\_\_\_\_ or \_\_\_\_\_\_\_

Decrease means the operation \_\_\_\_\_\_\_or \_\_\_\_\_\_\_

1. Write the letter from column A that best matches the mathematical expression in column B.

If n is my age.....

Column A Column B

a) “my age” tripled \_\_\_ 2n - 2

b) “my age” decreased by 7 \_\_\_ 3 + n

c) “my age” decreased by four \_\_\_ n/2

d) three more than “my age” \_\_\_ 3n

e) three less than “my age” \_\_\_ n - 7

f) “my age” divided by 2 \_\_\_ n – 3

g) “my age” doubled and decreased by 2 \_\_\_ n -4

h) “my age” tripled and decreased by 2 \_\_\_ 3n - 2

3) Write each phrase as an algebraic expression.

a) the product of “a number” and 4 \_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) the difference between “a number” and 7 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) “a number” is divided by 6 and decreased by 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) fifteen is subtracted from “a number”. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c) the sum of three and “a number”, increased by seven. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) “a number” divided by two and decreased by twelve. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

e) a number is doubled and decreased by eight. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Substituting Variables into Expressions and Simplifying

1. Substitute n = 4 and y = 3 into each expression. Evaluate. Show all steps!!!!!!
2. 8 – n = b) y + 5 = c) 6n = d) =

e) 3y = f) 4 y – n = g) 6y – 3n = h) (y)(y) - n

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