Algebra Unit II
Playing with Expressions Worksheet

1. Write the expression that has the following variables, coefficients and constants in each question:
   a. Variable: t ; Coefficient : 3; Constant : +7

   b. Variable: x; Coefficient : 5; Constant : +1

   c. Variable: y ; Coefficient : -4; Constant : +3

   d. Variable: p ; Coefficient : 2; Constant : - 5

   e. Variable: a ; Coefficient : 2/3 ; Constant : -9

2. Substitute the given values for the variables in each question below and find the value of the expressions:
   1. 5x + 8

a. x = 1	
b. x = 3/5	
c. x = 8	

   2. 8g – 5

a. g = 7	
b. g = -1	
c. g = ½	

© 2014 ganithika.com

3. $\frac{2}{5}\ m - 7$

a. m = 10	
b. m = 25	
c. m = 12s	

4. $\frac{1}{3}\ k - \frac{3}{5}$

a. k = 21	
b. k = 15	
c. k = 4	

3. Combine and simplify the following expressions wherever possible:

   1. 5x + 3 +3x – 8

   2. 4y – 3m + 4 + 2y + 3

   3. 4k + 3j

   4. 3c + 4 – 5c + 3 + 7c – 2c – 2

   5. 6y – 3x + 5 + 2y + 9 – 2x

© 2014 ganithika.com