Simple Equations and Word Equations

Name:	Class:	Date:	

Mark	/ 12	%

1) Solve the equation [7]

   a) $y + 9 = 4$

   b) $b - 4 = -6$

   c) $7 + c = 3$

   d) $9 - b = -5$

   e) $8y = 72$

   f) $5 = -5x$

   g) $7a + 6 = 20$

2) I have a piece of string which is c cm long. I cut off a piece which is d cm long. Write down a formula for P if the length of string which is left is P cm

[1]

3) Write a formula using the letters and numbers given below [1]

   Triple a number c and add 1

4) If b cm is the length of a rectangle and c cm is the width, write down a formula for W if the perimeter of the rectangle is W cm.

[1]

5) Write an algebraic expression for the sentence below (use the letter *n* to represent the missing number):

[2]

   a) *Triple a number and add 3*

   b) *Double a number*

Solutions for the assessment Simple Equations and Word Equations

1) a) -5

    c) -4

    e) 9

    g) 2

b) -2

d) 14

f) -1

2) $P = c - d$

3) $3c + 1$

4) $W = 2b + 2c$

5) a) $3n + 3$

b) $2n$