

# Simple Equations and Word Equations

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| Name: | Class: | Date: |
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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):

a) *Triple a number and add 3*

b) *Double a number*

[2]

## Solutions for the assessment Simple Equations and Word Equations

1) a) -5

b) -2

c) -4

d) 14

e) 9

f) -1

g) 2

2)  $P = c - d$

3)  $3c + 1$

4)  $W = 2b + 2c$

5) a)  $3n + 3$

b)  $2n$