Rearranging Formula

Name:	Class:	Date:

Mark	/ 15	%

1) Make the letter in brackets the subject of the formula [15]

   a)

$$3Ga = 11S \qquad (a)$$

   b)

$$9Da = 2P \qquad (a)$$

   c)

$$7Pv = 8T \qquad (v)$$

   d)

$$9Px = 4T \qquad (x)$$

   e)

$$-3t + v = 2V \qquad (v)$$

   f)

$$10t - 4x = 3S \qquad (t)$$

g)

$$10C = 9x - 7s \qquad (x)$$

h)

$$3a + 3b = 8S^2 \qquad (a)$$

i)

$$c + b + A = B \qquad (b)$$

j)

$$-3V - 4c + t = 11A \qquad (t)$$

k)

$$2D - 7b + a = 7f \qquad (a)$$

l)

$$9t - 11s = 4T + h \qquad (t)$$

m)

$$e = D + s^2 \qquad (s)$$

n)

$$W + t^2 = g \qquad (t)$$

o)

$$wc^2 + l = T \qquad (c)$$

Solutions for the assessment Rearranging Formula

1) a) $a = \dfrac{11S}{3G}$

b) $a = \dfrac{2P}{9D}$

c) $v = \dfrac{8T}{7P}$

d) $x = \dfrac{4T}{9P}$

e) $v = 2V + 3t$

f) $t = \dfrac{3S + 4x}{10}$

g) $x = \dfrac{10C + 7s}{9}$

h) $a = \dfrac{8S^2 - 3b}{3}$

i) $b = B - A - c$

j) $t = 11A + 3V + 4c$

k) $a = 7f - 2D + 7b$

l) $t = \dfrac{4T + h + 11s}{9}$

m) $s = \sqrt{e - D}$

n) $t = \sqrt{g - W}$

o) $c = \sqrt{\dfrac{T - l}{w}}$