

# Rearranging Formula

Name:	Class:	Date:
-------	--------	-------

Mark	/ 15	%
------	------	---

1) Make the letter in brackets the subject of the formula

[15]

a)

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

b)

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

c)

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

d)

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

e)

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

f)

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

g)  $10C = 9x - 7s$  (x)

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

i)  $c + b + A = B$  (b)

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

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

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

m)  $e = D + s^2$  (s)

n)  $W + t^2 = g$  (t)

o)  $wc^2 + l = T$  (c)

## Solutions for the assessment Rearranging Formula

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

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

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

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

e)  $v = 2V + 3t$

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

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

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

i)  $b = B - A - c$

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

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

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

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

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

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