

Master Maths 10 Worksheet 18  
Formulae and Transposition

18

Name: \_\_\_\_\_

1. Write the following statements as formulae.

(a)  $B$  is equal to twice the sum of  $C$  and  $D$ .

(b) Energy  $E$  is equal to the product of mass ( $m$ ), gravitational field strength ( $g$ ) and height ( $h$ ).

2. Transpose the following formula to make the pronumeral in the brackets the subject.

(a)  $D = A - F$  ( $A$ )

(b)  $p = mv$  ( $v$ )

(c)  $G = 3M + PQ$  ( $M$ )

(d)  $T = am + 3m$  ( $m$ )

(e)  $E = 3ln^2$  ( $n$ )

(f)  $F = \frac{mv^2}{2}$  ( $v$ )

(g)  $L = \sqrt{2AB + C}$  ( $A$ )

(h)  $K = 2(m - n)^2$  ( $m$ )

(i)  $P = 3D - 2R^2$  ( $R$ )