1 $y = 6x - 5$

Work out the value of y when $x = 4$

Substitute $x = 4$

$y = 6(4) - 5$ (1)

$= 24 - 5$

$= 19$

(1)

$y =$ 19

(Total for Question 1 is 2 marks)

2 Complete the statement below to make it correct.

? × m = 2m

? = 2m / m

? = 2

..... 2 (1) $\times m = 2m$

(Total for Question 2 is 1 mark)

3 $T = x + 2y$

$x = 3$ and $y = -4$

(b) Work out the value of T.

$T = x + 2y$ → substitute values of x and y

$= 3 + 2(-4)$ multiply the terms in bracket (1)

$= 3 - 8$

$= -5$ (1)

$T =$ −5

(2)

(Total for Question 3 is 2 marks)

4 $w = 40 - t^2$

(a) Calculate the value of w when $t = -5$

$w = 40 - t^2$ (1)

$w = 40 - (-5)^2$ ← substitute $t = -5$

$w = 40 - 25$

$w = 15$

$w =$ 15 (1)

(2)

(Total for Question 4 is 2 marks)