

$$y = mx + b$$

$$y = \chi^{2} + 3\chi \qquad (x, y)$$

$$y = y + 3(x)$$

$$y = 1 + 3$$

$$y = 4$$

$$y = 4$$

$$\frac{y-4}{x-1}=3$$

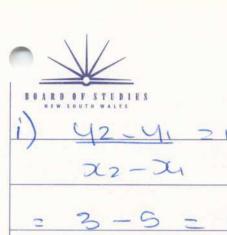
$$y-4 = 3(x-1)$$

 $y-4 = 3x-3$
 $0 = 3x-y+1$

b) i)
$$y-y_1 = y_2-y_1$$
 $x-x_1$
 x_2-x_1
 x_1-x_2
 x_2-x_1
 x_1-x_2
 x_1-x_2

P. T.O.

01WB4



$$\frac{-2}{6}$$
 $=$ $\frac{2}{6}$

$$\frac{-1}{3} = m$$

$$y-y_1 = -\frac{1}{3}$$

$$\frac{y-3}{7-4} = \frac{-1}{3}$$

$$3(y-3) = -1(x-4)$$

Fai

