

求通過  $(1, 3)$  與  $(-1, 2)$  之直線之一般方程式  
( $Ax + By = C$ )

(key) 先求斜率 ( $m$ )

$$m = \frac{\Delta Y}{\Delta X} = \frac{y_1 - y_2}{x_1 - x_2} = \frac{3 - 2}{1 - (-1)} = \frac{1}{2}$$

(key) 點斜式  $(y - y_1) = m(x - x_1)$

$(1, 3)$  代 

$$(y - 3) = \frac{1}{2} (x - 1) \quad (x \geq)$$

$$\Rightarrow 2(y - 3) = (x - 1)$$

$$\Rightarrow 2y - 6 = x - 1$$

$$\Rightarrow x \rightarrow y = -6 + 1$$

$$\Rightarrow x \rightarrow y = -5 \quad \#$$