

## INRYANG MARTIN COMPUTER SCIENCE

19/SC101/053

1 External division

$$\left( \frac{m_2 x_2 - n x_1}{m - n}, \frac{m y_2 - n y_1}{m - n} \right)$$

$$\begin{aligned} m &= 3 \\ n &= 1 \end{aligned}$$

$$x_1 = 5$$

$$x_2 = 15$$

$$y_1 = 3$$

$$y_2 = -7$$

$$L = \frac{3(15) - 1(5)}{3 - 1} = \frac{45 - 5}{2} = 20$$

$$K = \frac{3(-7) - 1(3)}{3 - 1} = \frac{-21 - 3}{2} = -12$$

$$\Rightarrow P = (20, -12)$$