

計算第 1 題

$$L: y = m(x-1) + 2$$

$$\frac{1}{5}x^2 = m(x-1) + 2$$

$$x^2 - 5mx + 5m - 10 = 0$$

$$A\left(a, \frac{1}{5}a^2\right), B\left(b, \frac{1}{5}b^2\right), ab \neq 0$$

$$ab = 5m - 10$$

$$\overline{OA} \cdot \overline{OB} = 0$$

$$ab = -25$$

$$m = -3$$