定義
$$f_{x}(a,b) = \lim_{h \to \infty} \frac{f(a+h,b) - f(a,b)}{h}$$

$$f_{y}(a,b) = \lim_{h \to \infty} \frac{f(a,b+h) - f(a,b)}{h}$$

問題
$$24$$

$$f(2-4) = \begin{cases} \frac{x \cdot |y|}{\sqrt{x^2 + y^2}} & (x,y) + (0,0) \\ 0 & (2,y) = (0,0) \end{cases}$$
定義 3

$$f_{x}(0,0) = \lim_{t \to 0} \frac{f(0+h,0) - f(0,0)}{h} = 0$$

$$= 27^{2} \quad f_{x}h(0) = \lim_{t \to 0} \frac{0}{h} = 0$$
可採 n

$$f_{y(0,0)} = \lim_{h \to 0} \frac{f(0, 0+h) - f(0,0)}{h}$$

$$= \lim_{h \to 0} \frac{0 - o}{h} = 0$$