

函數的極值與均值定理

1. $f(x) = x^3 + 3x^2 - 24x$ 求臨界值

$$f'(x) = 3x^2 + 6x - 24$$

$$f'(x) = 0 \quad 3x^2 + 6x - 24 = 0$$

$$3(x^2 + 2x - 8) = 0$$

$$3(x+4) \cdot (x-2) = 0$$

$$x = -4, 2$$