

$$m = f'(x)$$

1752

• 1738

$$y = x^2 \quad | \quad y' = 2x$$

$$y = x^n \quad | \quad y' = n x^{n-1}$$
$$y = x^7 \quad | \quad y' = 7x^6$$

$$y = x^6 \quad | \quad y' = 6x^5$$

$$y = c \cdot f(x) \quad | \quad y' = c \cdot f'(x)$$
$$y = 3x^7 \quad | \quad y' = 3 \cdot 7x^6$$

$$y = f(x) + g(x) \quad | \quad y' = f'(x) + g'(x)$$

$$y = 3x^2 + 8x^3 - 5x^4$$

↓

$$y' = 3 \cdot 2x + 8 \cdot 3x^2 - 5 \cdot 4x^3$$

↓

$$y' = 6x + 24x^2 - 20x^3$$

↓

1737 p

$$y' = x^3 + 4x^2 \quad | \quad y' = 3x^2 + 8x$$

$$y = c \cdot x \quad | \quad y' = c$$

$$y = 6x \quad | \quad y' = 6$$

$$y = -5x \quad | \quad y' = -5$$

$$y = \frac{x^2 + 3x}{5} \quad | \quad y' = \frac{2x + 3}{5}$$

$$y = c \quad | \quad y' = 0$$

$$y = \frac{f(x)}{c} \quad | \quad y' = \frac{f'(x)}{c}$$

$$y = 6 \quad | \quad y' = 0$$