

$$1$$

$$f(x) = x^2 + 1$$

$$y - f(x_0) = f(x_0)(x - x_0)$$

$$y - f(2) = f(2)(x - 2)$$

$$y - 5 = 4(x - 2)$$

$$y = 4x - 3$$

$$f(2) = 4, y = 4x - 3$$

$$2$$

$$f(x) = x - x^2$$

$$y - f(x_0) = f(x_0)(x - x_0)$$

$$y - f(1) = f(1)(x - 1)$$

$$y - (1) = -3(x - 1)$$

$$y = 3x + 2$$

$$f(2) = -3, y = -4x + 2$$