

$$(37) \quad y = e^x \cos x \quad x = 0$$

$$y - y_0 = m(x - x_0)$$

$$y(0) = 1$$

$$\frac{dy}{dx} = e^x \cos x - e^x \sin x$$

$$y'(0) = 1$$

$$y - 1 = 1(x - 0)$$

$$y = x + 1$$

