

若 $x^2 + y^2 = 25$ ，求 $\frac{dy}{dx}$ 。

$$(x^2)' + (y^2)' = 0$$

$$2x + 2y \cdot y' = 0$$

$$2y \cdot y' = -2x$$

$$y' = \frac{-2x}{2y}$$

$$y' = \frac{-x}{y}$$