1.隐函数求导

$$2y + \sin(y) = \frac{x^2}{\pi} + 1 \tag{1}$$

$$2\frac{dy}{dx} + \cos(y)\frac{dy}{dx} = \frac{2x}{\pi} \tag{2}$$

$$\frac{dy}{dx} = \frac{2x}{\pi(2 + \cos(y))} \tag{3}$$

**常用面积公式

$$\text{球体:} V = \frac{4}{3}\pi r^3 \tag{4}$$

$$\text{圆柱体:} V = \pi r^2 \times h \tag{5}$$

$$\text{圆锥体:} V = \frac{\pi r^2 \times h}{3} \tag{6}$$