

$$\text{slope} = \frac{f(x) - f(x_0)}{x - x_0} = \frac{y - y_0}{g(y) - g(y_0)}$$

$$f(x_0) = y_0$$

$$f(x) = y$$

$$x = g(y)$$

$$x_0 = g(y_0)$$

