$$\sqrt{x_0^2 + y_0^2} = l$$

$$x_0^2 + y_0^2 = l^2$$

$$x_1^2 + y_1^2 = l^2$$

$$(x_0 + dx)^2 + (y_0 - dy)^2 = l^2$$

$$(y_0 - dy)^2 = l^2 - x_1^2$$

$$y_0 - dy = \sqrt{l^2 - x_1^2}$$

$$= \sqrt{181^2 - 20^2}$$

$$= \sqrt{32761 - 400}$$

$$= \sqrt{32361}$$

$$\approx 179.89$$

$$180 - dy = 179.89$$

$$180 - 179.89 = dy$$

$$dy = 0.11$$

$$dx = 1$$

$$\frac{dy}{dx} = \frac{0.11}{1} = 0.11$$