



$$y^2 + \left(\frac{1}{2}\right)^2 = 1^2$$

$$y^2 + \frac{1}{4} = 1$$

$$y^2 = 1 - \frac{1}{4}$$

$$y^2 = \frac{3}{4}$$

$$y = \sqrt{\frac{3}{4}}$$

$$y = \frac{\sqrt{3}}{2}$$

$$y = \frac{\sqrt{3}}{2}$$