A line makes an angle of $\frac{\pi}{3}$ radians with the y-axis, and passes through the point $(-2, 0)$ as shown below.
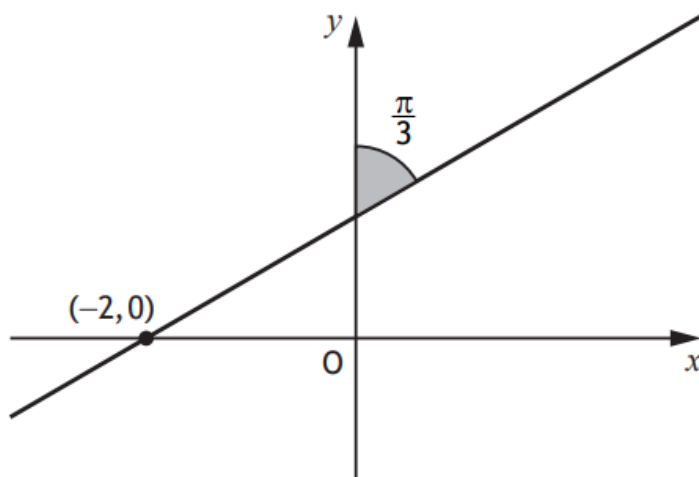
Determine the equation of the line. **3**

Answer:

$$y\sqrt{3} = x + 2 \text{ or } y = \frac{1}{\sqrt{3}}x + \frac{2}{\sqrt{3}}$$

or equivalent