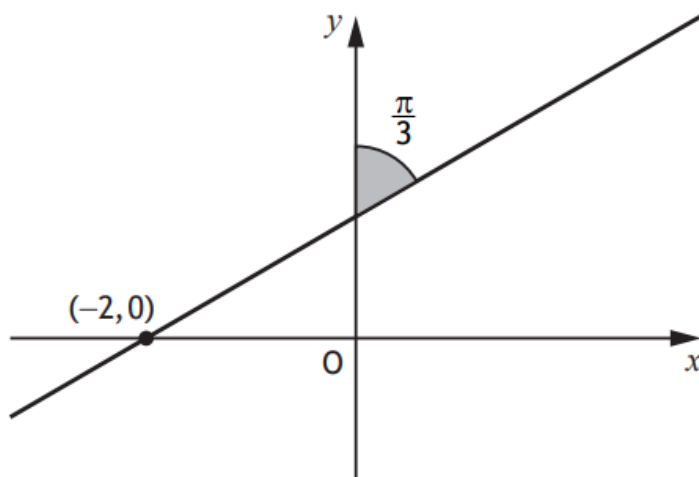


Higher Maths
SQA 2022 Paper 1
Question 5



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