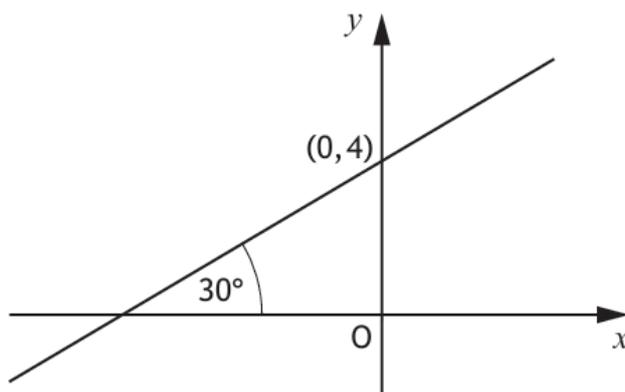


Higher Maths
SQA 2024 Paper 1
Question 1



A line passes through the point $(0, 4)$ and makes an angle of 30° with the positive direction of the x -axis as shown in the diagram.



Determine the equation of the line.

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Answer:

$$y = \frac{1}{\sqrt{3}}x + 4 \text{ or } \sqrt{3}y - 4\sqrt{3} = x$$

(or equivalent with a simplified constant term)