

Higher Maths
SQA 2021 Paper 1
Question 4



Determine whether the line passing through $(-4, 2)$ and $(2, -7)$ is perpendicular to the line with equation $3y = 2x + 9$.

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Answer: $-\frac{3}{2} \times \frac{2}{3} = -1$

so the lines are perpendicular.