Higher Maths
SQA 2025 Paper 1
Question 12

Given that:

- $\frac{dy}{dx} = 6\cos x + 8\sin 2x$, and
- $y = 4$ when $x = \frac{\pi}{6}$,

express y in terms of x. **4**

Answer:

$y = 6\sin x - 4\cos 2x + 3$

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