

Higher Maths
SQA 2019 Paper 1
Question 17



(a) Express $(\sin x - \cos x)^2$ in the form $p + q \sin rx$ where p , q and r are integers. 3

(b) Hence, find $\int (\sin x - \cos x)^2 dx$. 2

Answers:

(a) $1 - \sin 2x$

(b) $x + \frac{1}{2} \cos 2x + c$