

Advanced Higher Maths
SQA 2016 Specimen
Question 5



Find $\int x^2 e^{3x} dx$.

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Answer:

$$\frac{x^2 e^{3x}}{3} - \frac{2x e^{3x}}{9} + \frac{2e^{3x}}{27} + c \text{ or equivalent}$$