#### **HSC Worked Solutions**

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 $= \frac{1}{5} [e^{15} - e^{0}]$ =  $\frac{e^{15} - 1}{5}$  State Mean: **1.78** 

\* These solutions have been provided by *projectmaths* and are not supplied or endorsed by NESA.

# **NESA: Marking Feedback**

# Skills addressed:

• finding the primitive and correctly evaluating the definite integral

# Areas for students to improve include:

- understanding the rules for differentiating and integrating exponential functions
- using the correct order when substituting limits, that is, F(3) F(0) of F(1) F(3))
- evaluating  $e^0$  correctly

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