State Mean: **1.63** 

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2016 11 d Evaluate 
$$\int_{0}^{1} (2x+1)^{3} dx$$
.
$$\int_{0}^{1} (2x+1)^{3} dx = \left[ \frac{(2x+1)^{4}}{4 \times 2} \right]_{0}^{1}$$

$$= \left[ \frac{(2x+1)^{4}}{8} \right]_{0}^{1}$$

$$= \frac{1}{8} [(2(1)+1)^{4} - (2(0)+1)^{4}]$$

## **BOSTES: Notes from the Marking Centre**

This information is released by BOSTES in late Term 1 2017.

 $= \frac{1}{8}[81 - 1]$ 

<sup>\*</sup> These solutions have been provided by *projectmaths* and are not supplied or endorsed by BOSTES.