2016 **5** What is the derivative of ln (cos *x*)? **1**

(A) −sec *x* (B) −tan *x* (C) sec *x* (D) tan *x*

B

$$\frac{d}{dx}[\ln(\cos x] = \frac{1}{\cos x} \cdot -\sin x$$

$$= -\tan x$$

State Mean: **0.75**

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