

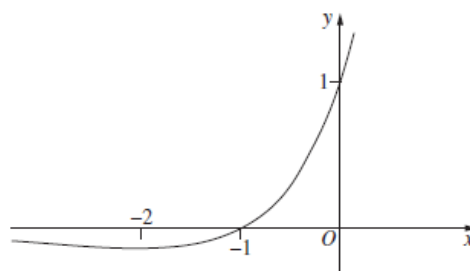


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2015 8 The diagram shows the graph of $y = e^x(1 + x)$.

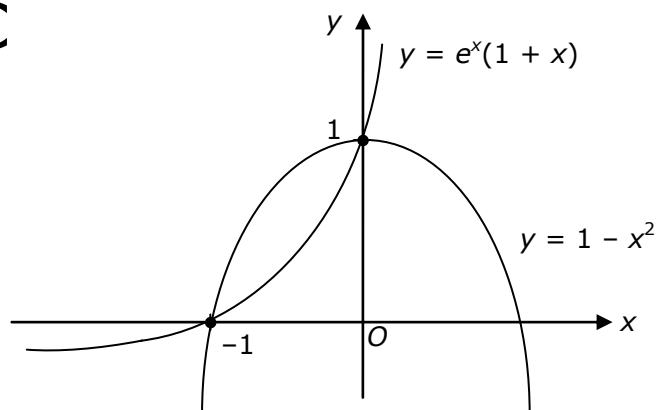
How many solutions are there to the equation $e^x(1 + x) = 1 - x^2$?

- (A) 0 (B) 1
(C) 2 (D) 3



1

C



\therefore 2 points of intersection of $y = e^x(1+x)$ and $y = 1-x^2$.

\therefore 2 solutions of $e^x(1+x) = 1-x^2$.

State Mean:
0.67

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by BOSTES.