

Example 35 The value of c in Mean value theorem for the function $f(x) = x(x - 2)$, $x \in [1, 2]$ is

- (A) $\frac{3}{2}$ (B) $\frac{2}{3}$ (C) $\frac{1}{2}$ (D) $\frac{3}{2}$

Solution (A) is the correct answer.

