

Want more revision exercises? Get [MathsFit](#) - New from projectmaths.

12	2	Which of the following is equal to $\frac{1}{2\sqrt{5} - \sqrt{3}}$? (A) $\frac{2\sqrt{5} - \sqrt{3}}{7}$ (B) $\frac{2\sqrt{5} + \sqrt{3}}{7}$ (C) $\frac{2\sqrt{5} - \sqrt{3}}{17}$ (D) $\frac{2\sqrt{5} + \sqrt{3}}{17}$	1
D $\begin{aligned}\frac{1}{2\sqrt{5} - \sqrt{3}} &= \frac{1}{2\sqrt{5} - \sqrt{3}} \times \frac{2\sqrt{5} + \sqrt{3}}{2\sqrt{5} + \sqrt{3}} \\ &= \frac{2\sqrt{5} + \sqrt{3}}{20 - 3} \\ &= \frac{2\sqrt{5} + \sqrt{3}}{17}\end{aligned}$			State Mean: 0.81

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by the Board of Studies