MATHS

BOOKS - JEE MAINS PREVIOUS YEAR

COORDINATE GEOMETRY

Others

1. ABCD is a trapezium such that AB and CD are parallel and $BC \perp CD$. If $\angle ADB = \theta, BC = p and CD = q$, then AB is

equal to (1) $\frac{p^2+q^2\cos\theta}{p\cos\theta+q\sin\theta}$ (2) $\frac{p^2+q^2}{p^2\cos\theta+q^2\sin\theta}$ (3) $\frac{(p^2+q^2)\sin\theta}{(p\cos\theta+q\sin\theta)^2}$ (4) $\frac{(p^2+q^2)\sin\theta}{p\cos\theta+q\sin\theta}$

Watch Video Solution