

ONE MARK TEST

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ENGLISH MEDIUM

LESSON - 3

TEST - 3



7 $y^2 + \frac{1}{y^2}$ is not equal to

(A) $\frac{y^4 + 1}{y^2}$ (B) $\left(y + \frac{1}{y}\right)^2$ (C) $\left(y - \frac{1}{y}\right)^2 + 2$ (D) $\left(y + \frac{1}{y}\right)^2 - 2$

8 A system of three linear equations in three variables is inconsistent if their planes

(A) intersect only at a point (B) intersect in a line
(C) coincides with each other (D) do not intersect

9

For the given matrix $A = \begin{pmatrix} 1 & 3 & 5 & 7 \\ 2 & 4 & 6 & 8 \\ 9 & 11 & 13 & 15 \end{pmatrix}$ the order of the matrix A^T is

(A) 2×3 (B) 3×2 (C) 3×4 (D) 4×3

10 The values of a and b if $4x^4 - 24x^3 + 76x^2 + ax + b$ is a perfect square are

(A) 100,120 (B) 10,12 (C) -120,100 (D) 12,10