

JEE MAIN DETERMINANTS — DETERMINANT OF ORDER 2 AND 3 — PYQS

Max. Marks: 8

Questions: 2

Section A (MCQ) — 1 question

Q.1 Let $A = \begin{bmatrix} 1 & 2 & 7 \\ 4 & -2 & 8 \\ 3 & 8 & -7 \end{bmatrix}$ and $\det(A - \alpha I) = 0$, where α is a real number. If the largest possible value of α is p , then the circle $(x - p)^2 + (y - 2p)^2 = 320$, intersects the co-ordinate axes at

[JEE Main 2026 (Online) 4th April Evening Shift]

(1) 1 point (2) 2 points (3) 3 points (4) 4 points

Scan or tap for the full solution



Section B (Numerical) — 1 question

Q.2 The number of singular matrices of order 2, whose elements are from the set $\{2, 3, 6, 9\}$, is _____.

[JEE Main 2025 (Online) 7th April Morning Shift]

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ANSWER KEY

Section A (MCQ) — 1 question

[illegible]

Section B (Numerical) — 1 question

Ques.	2								
Ans.	36								