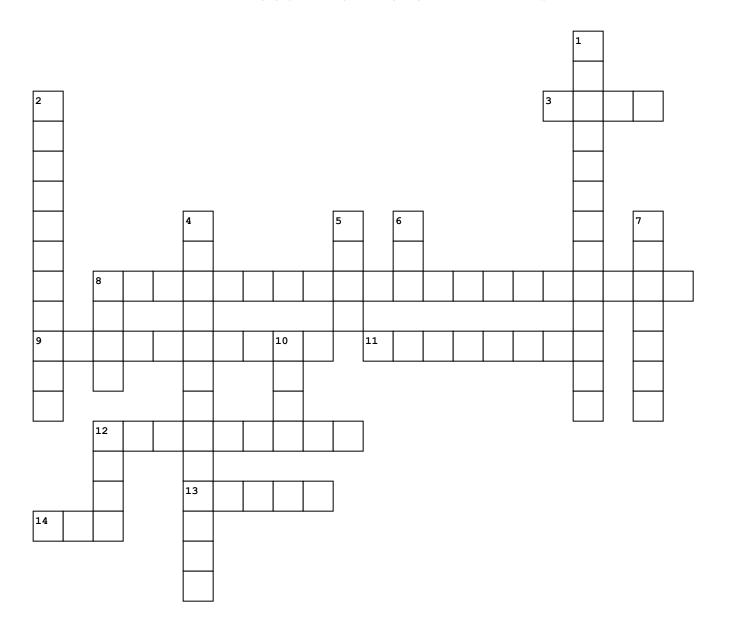
Matrices and Determinants



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- **3.** Diagonal of skew symmetric matrix are
- **8.** Total number of possible matrices of order 3×3 with each entry 2 or 0 is
- **9.** Matrix A when multiplied with Matrix C gives the Identity matrix I, what is C? a) identity matrix b) inverse of A c) square of A d) transpose of A
- **11.** If |A| = 0, then A is _____ matrix.
- **12.** AB+BA is a _____ matrix if A and B are symmetric matrices of same order.
- **13.** The area of a triangle with vertices (-3, 0), (3, 0) and (0, k) is 9 sq. units. The value of k will be
- **14.** Transpose of a column matrix is _____ matrix.

Down

- 1. If A is a square matrix, then A A' is a _____ matrix.
- 2. Which of the following property does not hold for matrix multiplication? a) associative b) distributive c) commutative d) additive inverse
- **4.** The matrix ____ is a ____ matrix.
- **5.** If the matrix A is both symmetric and skews symmetric, then A will be.
- **6.** If A is a skew symmetric matrix of _____ order then |A| = 0.
- 7. If AB = I, then A and B are _____ to each other.
- **8.** If A = and A2 KA 5I = 0, then K =

10. Find x if	is singular.
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10. Fina x ii	is singular.	
12. Any square	matrix can be	represented as the sum
of a symme	etric and a	symmetric matrix.