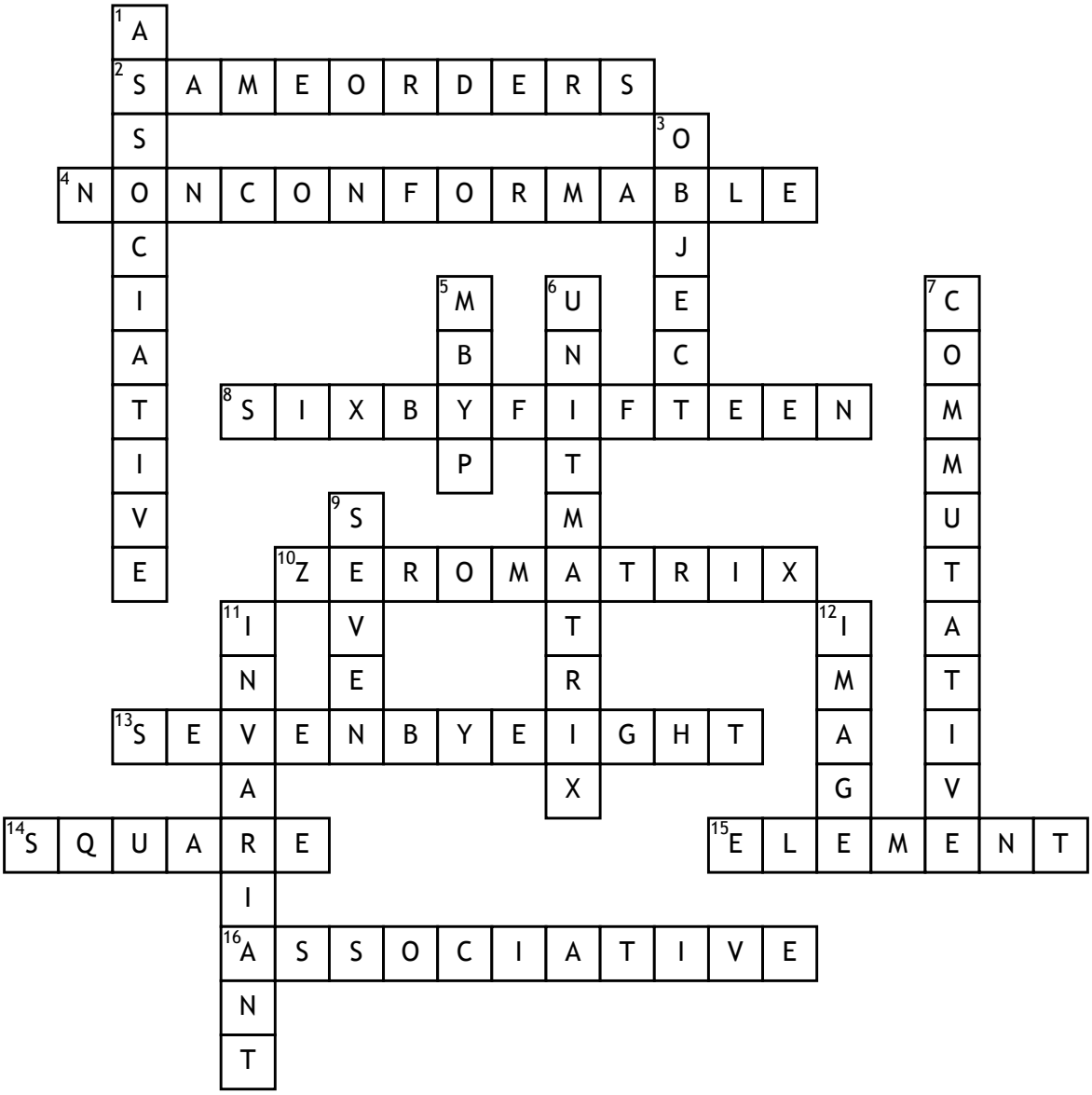
Name: _____ Date: _____

Matrix Vocabulary



Across

2. requirement to be able to add or subtract two matrices
4. term used if two matrices cannot be multiplied
8. the order of a matrix where the number of rows is the third triangular number and the number or columns is the fifth triangular number
10. matrix with zero in every component
13. the order of a matrix which has 8 columns and one fewer rows
14. type of matrix in which the number of rows is equal to the number of columns
15. word for each entry inside a matrix
16. the word to describe the multiplicative property A(BC) = (AB)C

Down

1. what matrix multiplication always is
3. the word for the original shape in a transformation
5. order of a matrix produced by multiplying an m by n matrix by an n by p matrix
6. a synonym for the identity matrix
7. the word to describe the multiplicative relation AB = BA
9. the number of rows in a square matrix of order 7
11. word for a point which is not altered by a transformation
12. the word for the new shape after a transformation