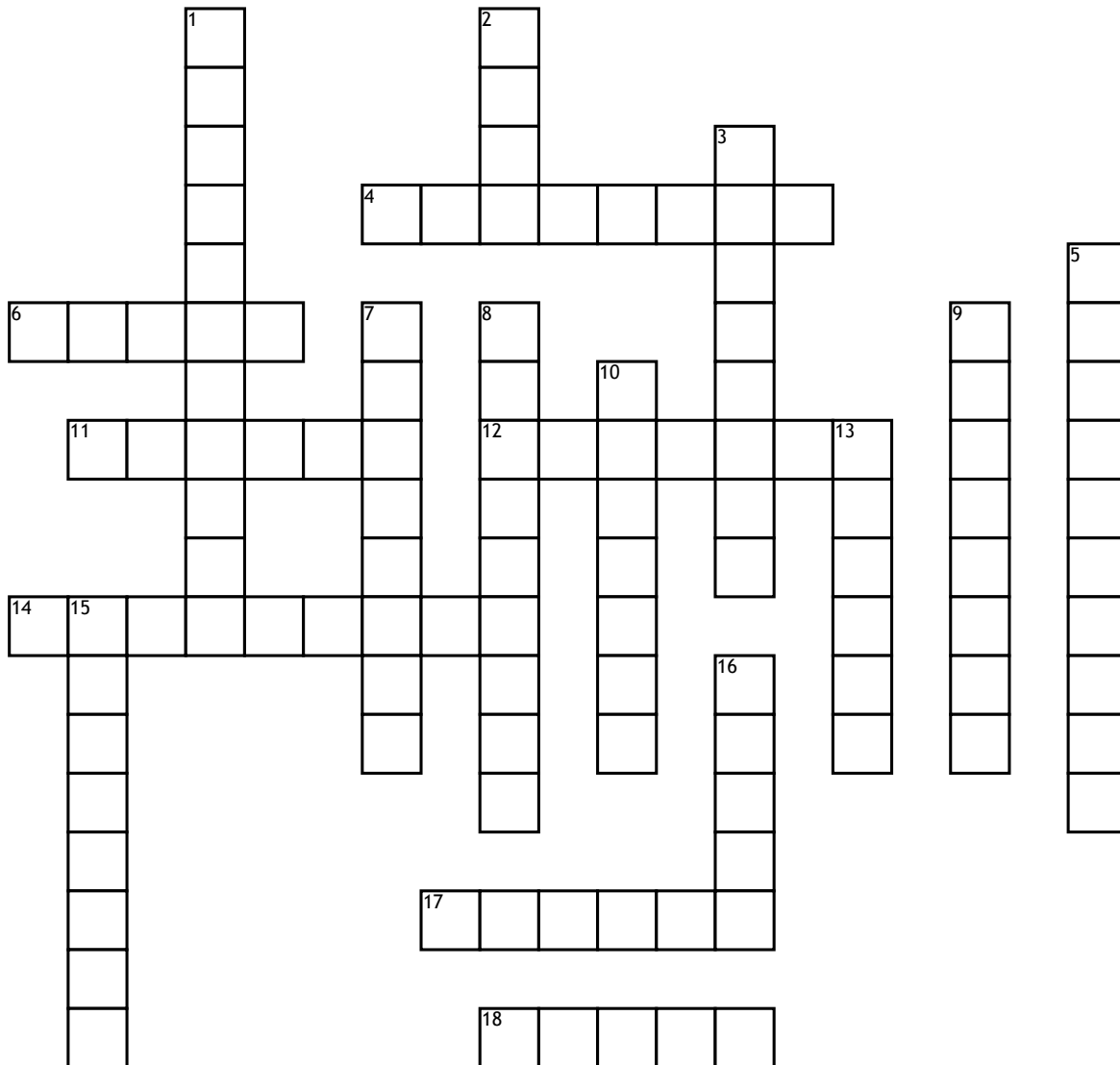Name: _____ Date: _____

mathematical puzzle

Across
4. The line segment connecting two nonadjacent vertices in a polygon
6. the horizontal axis in a cartesian coordinate plane
11. The point (0 , 0) on a coordinate plane, where the X-axis and the Y-axis intersect
12. a parallelogram with four equal sides
14. a quadrilateral with four 90 degree angles
17. a measurement of space, or capacity

18. the vertical axis in a cartesian coordinate system
Down
1. a constant that multiplies a variable
2. the number of square units that covers a shape or figure
3. a letter used to represent a number
5. the side opposite the right angle in a right triangle
7. a five sided polygon
8. the sum of the lengths of the sides of a polygon
9. a three sided polygon

10. a closed plane figure made up of several line segments that are joined together
13. a quadrilateral with four equal sides and four 90 degree angles
15. a number or symbol, as 3 in (x+y)3, placed to the right of and above another number,symbol, or expression, denoting the power to which that number,symbol,or expression is to be raised
16. the union of two rays with a common endpoint, called the vertex