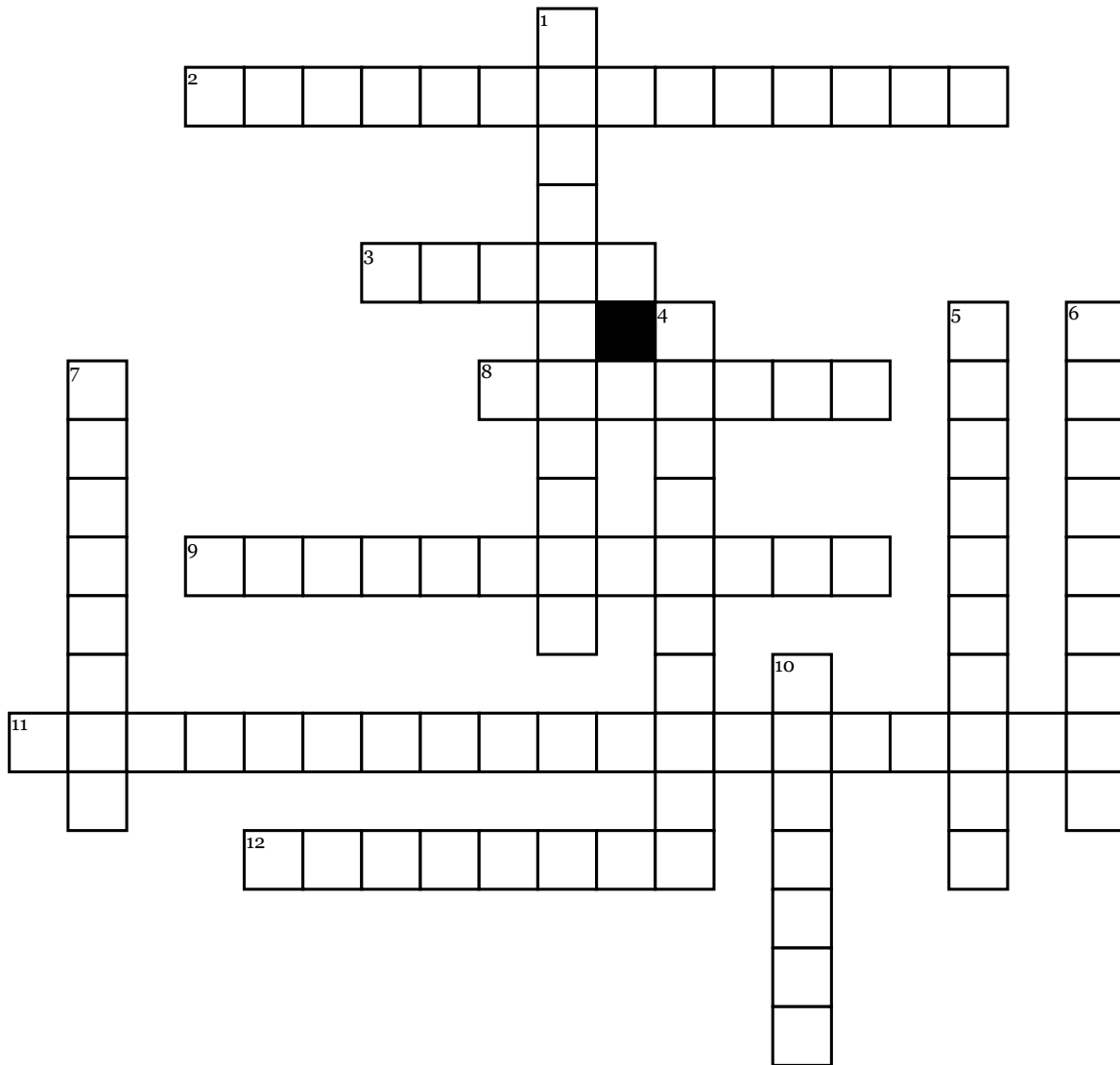# advanced algebra vocabulary puzzle

Across

2. a line described by the equation y=b, where b is the y-intercept.

3. A number produced by raising a base to an exponent

8. an expression that uses a root, such as square root, cube root

9. the branch of mathematics dealing with the relations of the sides and angles of triangles and with the relevant function of an angles

11. : an equation that contains a logarithm of a variable

12. The number that indicates how many times the base is used as a factor

Down

1. the trends in the y-values of a function as the x-values approach positive and negative infinity

4. the x- coordinate(s) of the point(s) where a graph intersects the x-axis.

5. a monomial or a sum or difference of monomials

6. to simplify expressions, fractions, and solve equations

7. a mathematical statement that two expressions are equal

10. a possible result of a probability experiment