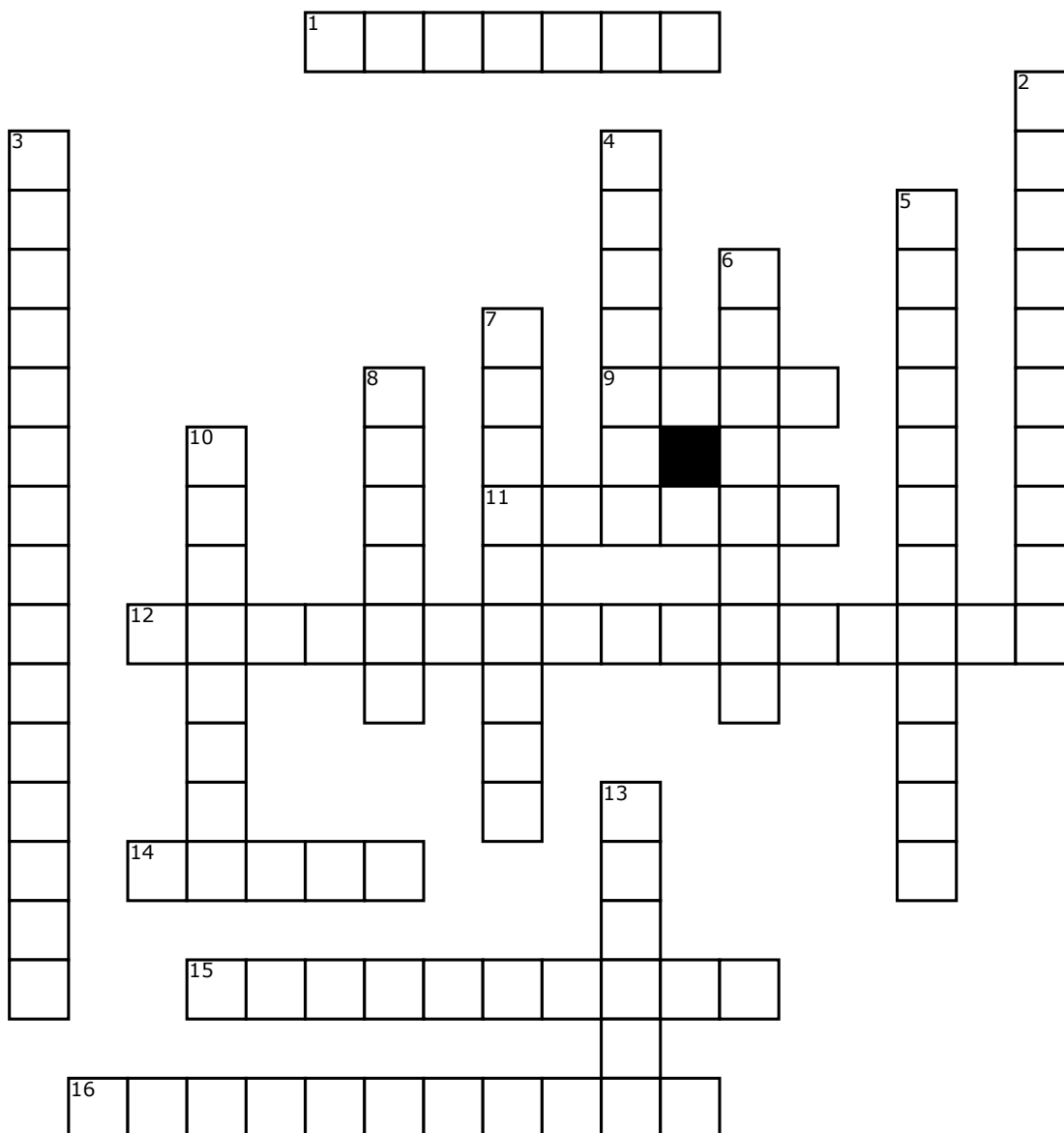# Algebra 2 Vocab

**Across**

**1.** A_____ equation is an equation in which the unknown value appears under a radical sign.

**9.** The _____ of a number x is another number, which when multiplied by itself a given number of times, equals x

**11.** the set of all possible x-values which will make the function "work", and will output real y-values

**12.** A fraction where the denominator is not equal to 0

**14.** is the complete set of all possible resulting values of the dependent variable, after submitting the domain

**15.** an expression of more than two algebraic terms that contain different powers of the same variable

**16.** A number used to multiply a variable

**Down**

**2.** a mathematical phrase that can contain ordinary numbers, variables, and operators

**3.** A fraction that has a fraction in the numerator or the denominator

**4.** A result that has been proved to be true

**5.** A _____ is how many times a particular number is a zero for a given polynomial.

**6.** The answer after you divide one number by another

**7.** An equation where the highest exponent of the variable is a square (2)

**8.** Numbers you multiply together to get another number

**10.** the shape of the graph of a quadratic function

**13.** the relative sizes of two or more values