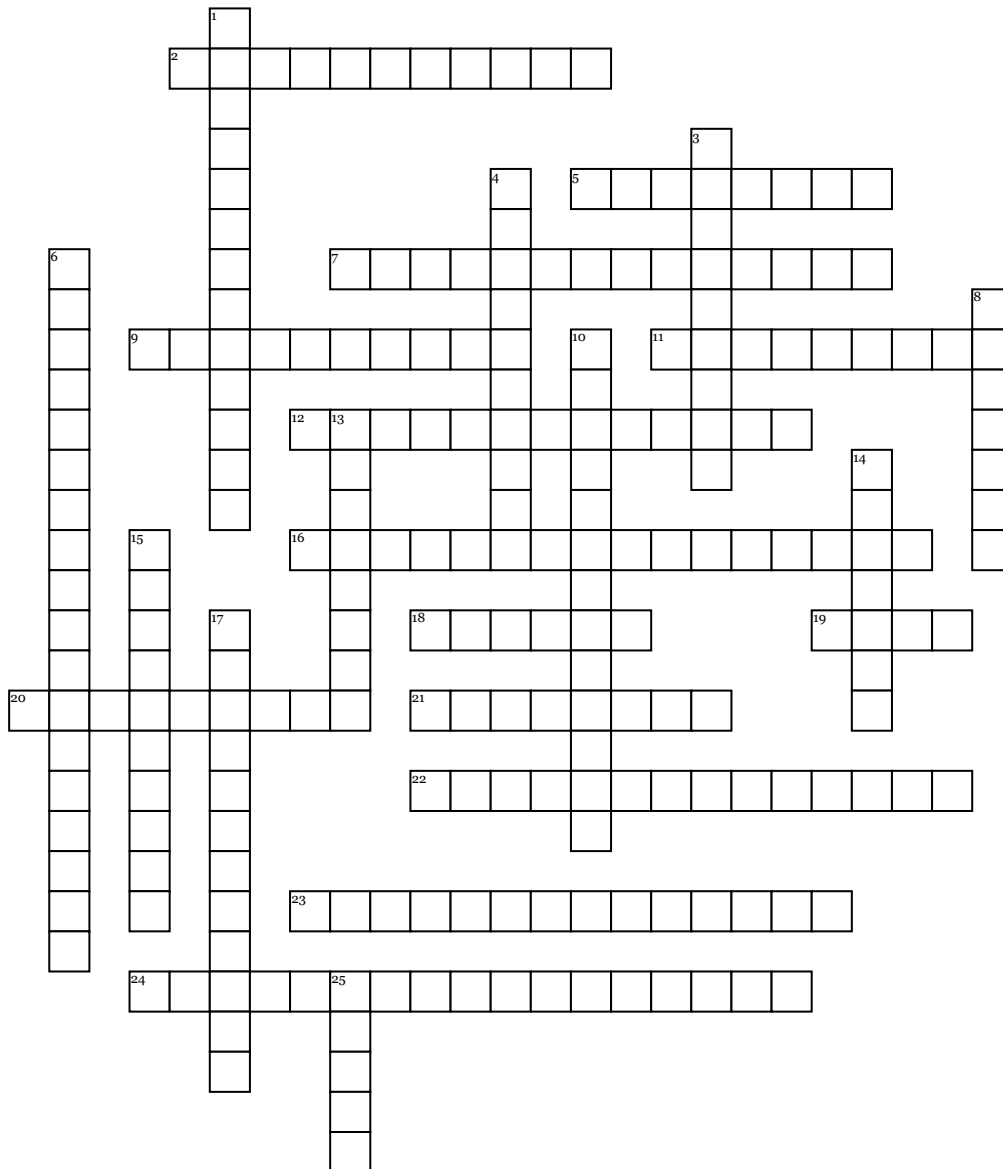


# Analytic Geometry



## Across

- 2.** the collection of all possible results of an experiment, represented as points.  
**5.** a plane curve formed by the intersection of a right circular cone with a plane parallel to a generator of the cone  
**7.** a statistical record of how often each value in a set of data occurs  
**9.** using or pertaining to systems of coordinates  
**11.** The length of an arc  
**12.** the complex number  $i$ .  
**16.** conjugate  
**18.** a closed plane curve consisting of all points at a given distance from a point within it called the center  
**19.** a plane surface resembling the cross section of a solid cone

- 20.** consisting of or pertaining to three terms  
**21.** a closed plane figure having three sides and three angles  
**22.** a mathematical expression  $(a + bi)$  in which  $a$  and  $b$  are real numbers and  $i^2 = -1$   
**23.** a straight line for which every point on a given curve has corresponding to it another point such that the line connecting the two points is bisected by the given line  
**24.** an equation containing a single variable of degree 2

## Down

- 1.** a quadrilateral having both pairs of opposite sides parallel to each other  
**3.** the act or process of separating an equation, formula, cryptogram, etc.

- 4.** An angle whose measure is between  $0^\circ$  and  $90^\circ$   
**6.** either of two angles that added together produce an angle of  $90^\circ$   
**8.** an equilateral parallelogram, including the square as a special case.  
**10.** are the angles opposite each other when two lines cross  
**13.** consisting of one term only  
**14.** a final product or end result  
**15.** consisting of or characterized by two or more names or terms  
**17.** a plane the points of which are complex numbers  
**25.** the space within two lines or three or more planes diverging from a common point