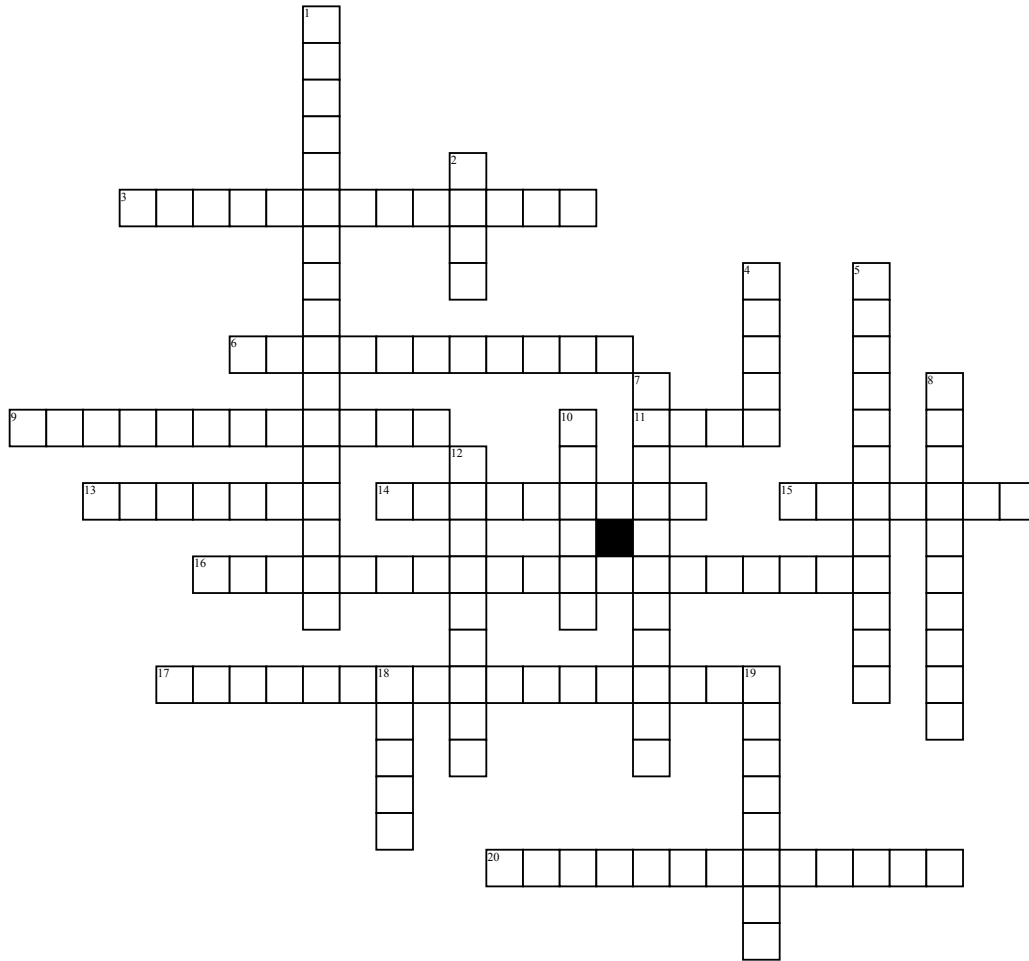


# Pre-Calc Crossword



## Across

3. a theorem linking factors and zeros of a polynomial.  
 6. a graph that eventually comes to a stop.  
 9. The rate of change of velocity of a object  
 11. a line segment where two such surfaces meet.  
 13. A Circuit is a closed trail.  
 14. a formula to compute the derivative of a composite function.  
 15. the locus of all those points in a plane such that the sum of their distances from two fixed points in the plane, is constant.  
 16. It is mainly used to find the exponential decay or exponential growth or to compute investments, model populations and so on.

## Word Bank

- |                |               |                    |                    |                      |
|----------------|---------------|--------------------|--------------------|----------------------|
| Acceleration   | foci          | circle             | edge               | chord                |
| absolute value | central angle | circuit            | factorial          | exponent             |
| factor theorem | ellipse       | Fibonacci sequence | dot product        | real numbers         |
| force          | Chain Rule    | finite graph       | factorial notation | exponential function |

17. is defined as the sequence of numbers in which each number in the sequence is equal to the sum of two numbers before it

20. How far a number is from zero

## Down

1. The multiplication of all positive integers  
 2. are special points with reference to which any of a variety of curves is constructed.  
 4. push or pull  
 5. The angle subtended at the center of a circle by two given points on the circle.  
 7. a number that can be positive or negative and have decimal places after the point.  
 8. an algebraic operation that takes two equal-length sequences of numbers (usually coordinate vectors), and returns a single number.  
 10. a special kind of ellipse in which the eccentricity is zero and the two foci are coincident  
 12. the product of a given positive integer multiplied by all lesser positive integers  
 18. a straight line segment whose endpoints both lie on a circular arc.  
 19. says how many times to use that number in a multiplication.