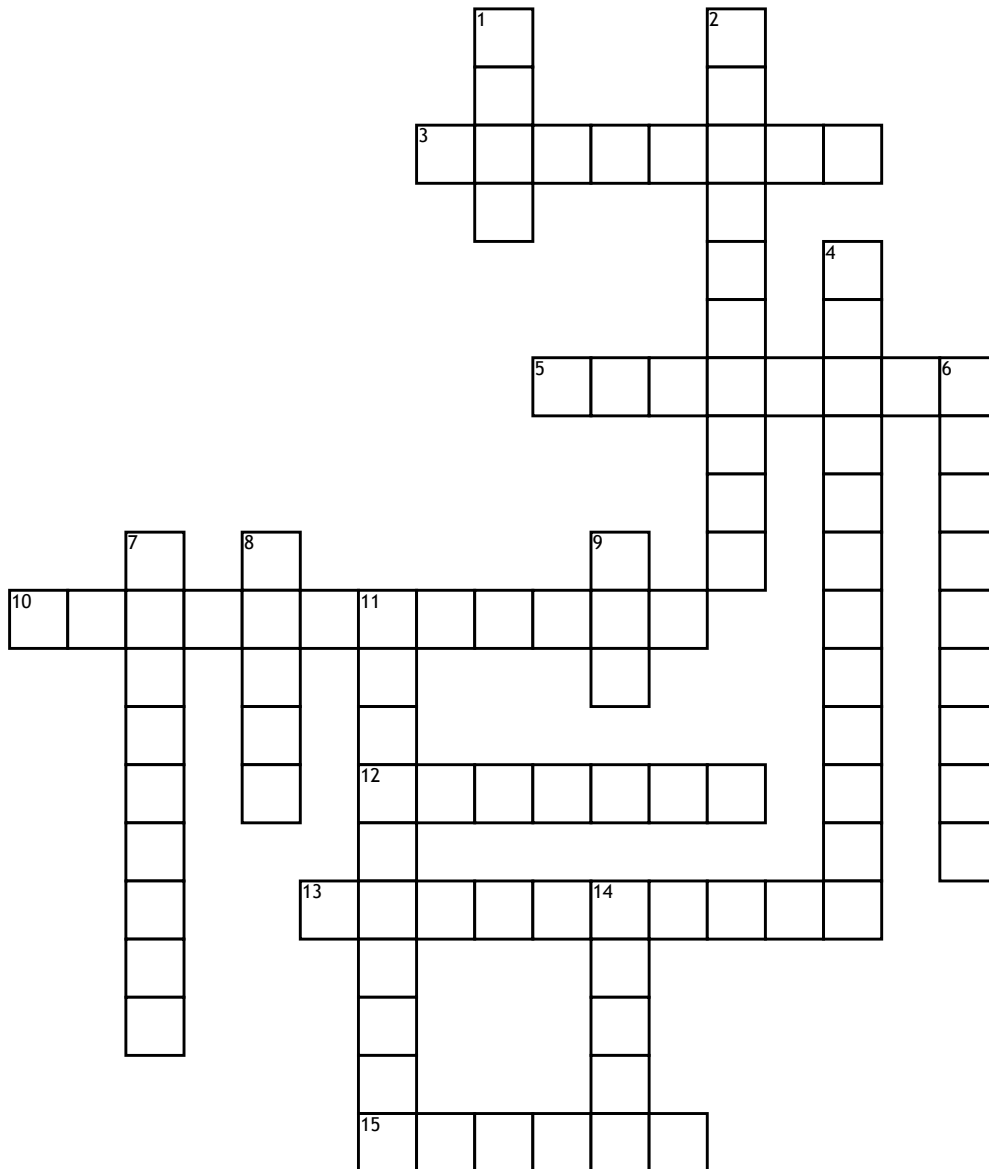


# Calculus Cup



## Across

3. Area under a curve  
 5. Points where the derivative equals zero for example  
 10. Integral of velocity  
 12. A line that touches a function exactly once  
 13. Where a curve changes concavity; \_\_\_\_\_ point

15. A straight line joining two points on a function's curve

## Down

1. The derivative of  $-\cos x$   
 2. Slope or rate of change of a function  
 4. The derivative of velocity  
 6. A rule used to evaluate indefinite forms of limits

7. A line that a function approaches without ever reaching

8. A measure of how fast a function is increasing or decreasing  
 9. Antiderivative of  $1/x$   
 11. A curve that is uninterrupted  
 14. A rule used to differentiate a composite function