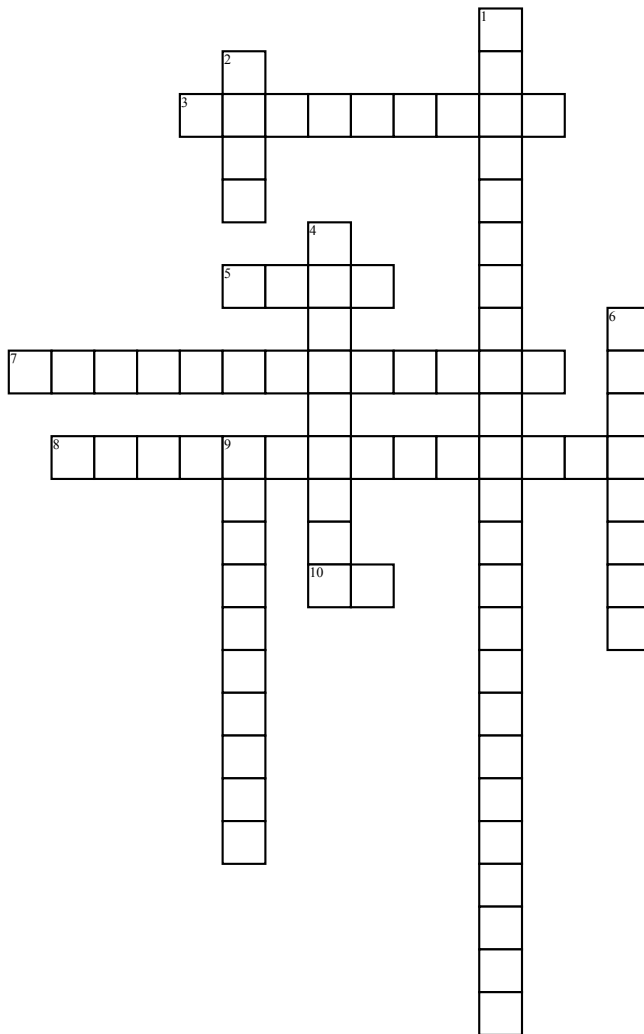


# Integral Calculus



## Across

3. rule stating that  $\int x^n dx = \frac{x^{n+1}}{n+1}$
5. the anti derivative of  $(\cos x)$
7. rule stating that  $\int (u \pm v) dx = \int u dx + \int v dx$
8. a function whose derivative equals  $f$ , or the original function
10. with respect to  $x$

## Word Bank

multiplication by constant  
 integral  
 $\sin x$   
 derivative

$\cos x$   
 $dx$   
 integrand

antiderivative  
 Sum Difference  
 power rule

## Down

1. rule stating that  $\int (ku) dx = k \int u dx$
2. the derivative of  $(\sin x)$
4. the function that will be integrated
6. another name for the anti-derivative.
9. measures the rate at which  $y$  changes with respect to  $x$