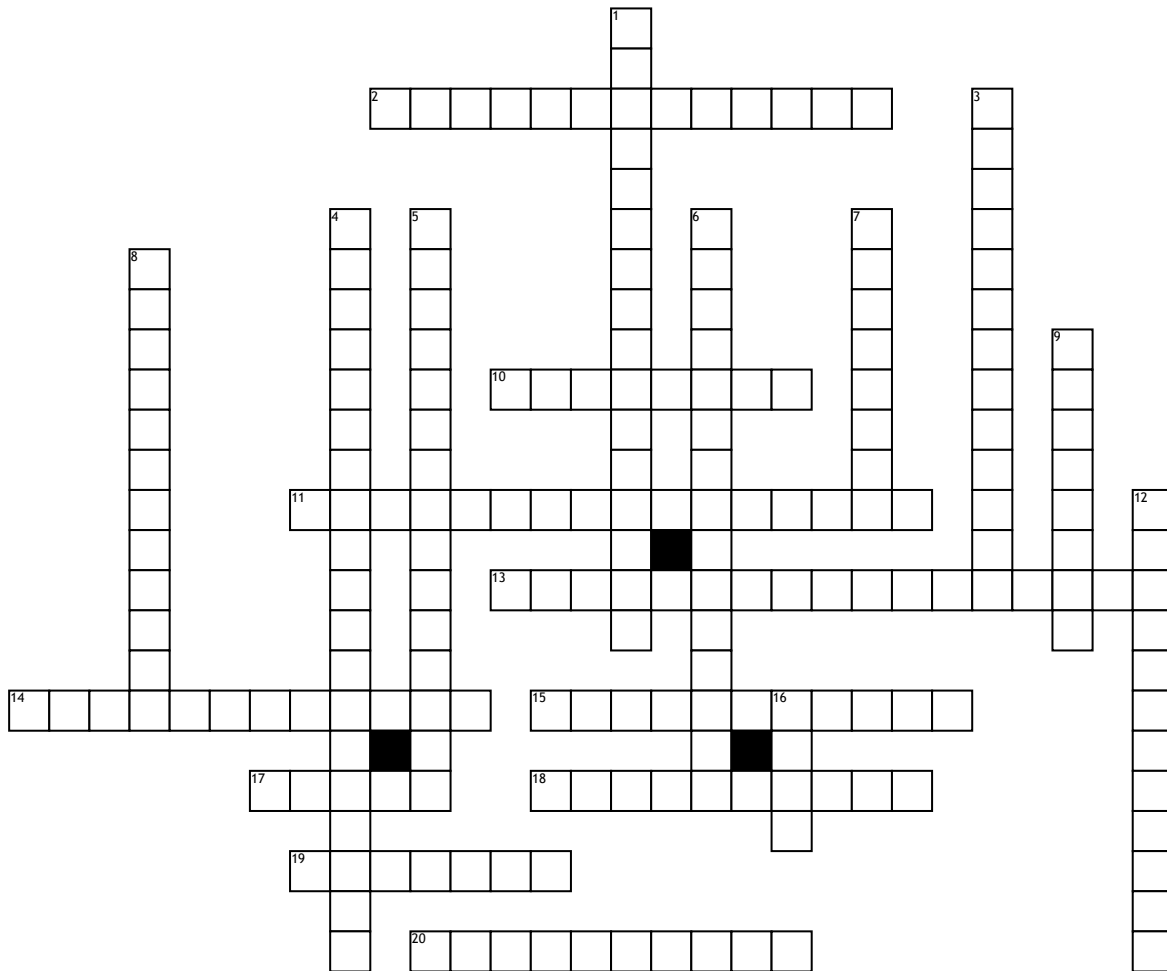


AP Calculus Review



Across

- 2. $dy/dx = 0$
- 10. Low (Dhigh) -high (Dlow) over the square of whats below (_____ rule)
- 11. If f is decreasing on $[a,b]$ the left Reimann sum _____
- 13. If f is increasing on $[a,b]$ the left Reimann sum _____
- 14. $f(-x)=f(x)$
- 15. $f(-x)=-f(x)$
- 17. $lv(t)|$
- 18. $v(t)$ and $a(t)$ have opposite signs. (_____ speed)

- 19. 1st (D2nd) +2nd (D1st) (_____ rule)
 - 20. $v(t)$ and $a(t)$ have the same sign (_____ speed)
- Down**
- 1. If f is continuous on $[a,b]$ and differentiable then there exists c s.t. $(f(b)-f(a))/(b-a) = f'(c)$
 - 3. if f is continuous on $[a,b]$ and differentiable on (a,b) and $f(b)=f(a)$, then there exists c s.t. $f'(c)=0$

- 4. If f is continuous on the interval $[a,b]$ then there is an absolute max or min on $[a,b]$
- 5. $1/2(b_1+b_2)h$
- 6. $h/2(y_0+2y_1+2y_2+\dots+2y_{n-1}+y_n)$
- 7. $\int lv(t) dt$
- 8. dv/dt where $v(t)$ is velocity
- 9. ds/dt where $s(t)$ is the position function
- 12. $\int v(t) dt$
- 16. $d/dx \sin x$