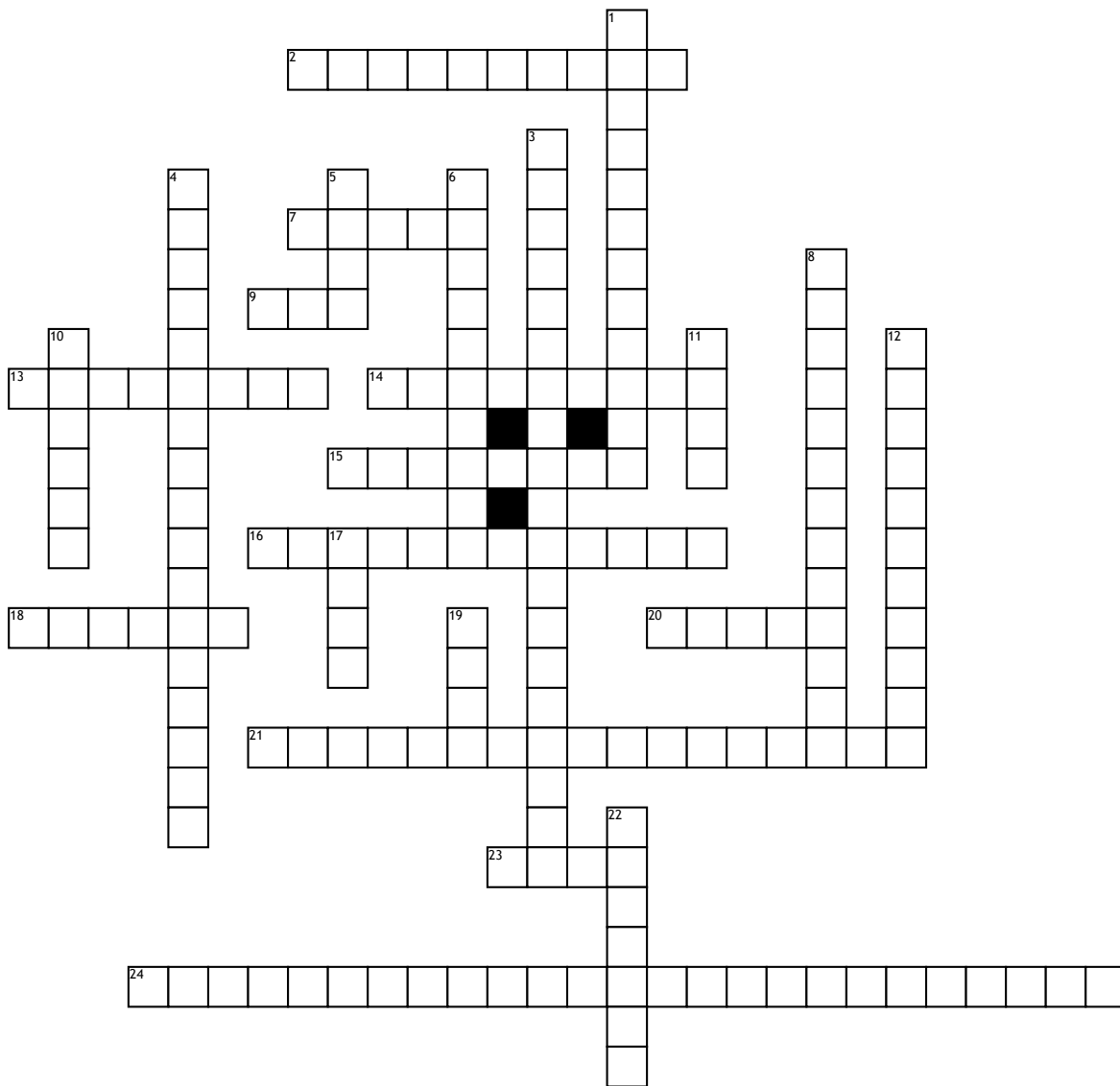


AP Calculus Review



Across

- 2. If a function is differentiable at a point, then it must also be _____ at that point
- 7. True or False- You must simplify answers completely on the free response portion of the AP Test.
- 9. The anti-derivative of $1/x$ is _____
- 13. The derivative of the position is _____
- 14. To find the derivative of $(\cos(\ln x))$, you would use the _____
- 15. The trapezoidal rule can be used to _____ the value of an integral
- 16. The derivative of velocity is the _____
- 18. The washer, disk and cross-section methods are all ways of finding the _____

- 20. To determine where a function is increasing or decreasing, you would use the _____ derivative
- 21. $y = ce^{kt}$ is the equation used for _____
- 23. The anti-derivative of $(\sec x)(\tan x)$ is _____
- 24. IVT stands for **Down**
- 1. $(a^x - a^{-x}) / (b^2)$ represents the _____
- 3. To find this, find the limit of the function as x approaches infinity and negative infinity
- 4. To find this, set the denominator of the function = 0
- 5. The anti-derivative of $\sec^2(x)$ is _____
- 6. The _____ of $f(x)$ is the slope of the tangent line to $f(x)$

- 8. _____ is a method for evaluating integrals, which involve products or quotients
- 10. To determine concavity of a function, you would use the _____ derivative
- 11. The derivative of a constant is _____
- 12. $a^x b^x + a^x b^x$ represents the _____
- 17. The derivative of $\sin x$ is _____
- 19. You should answer every multiple choice question on the AP Test because points are NOT deducted for wrong answers.
- 22. maximums and minimums are also known as _____