

Test #13 Review

Basically, this is all you need to know:

- Given a graph of f or f' :
 - Determine intervals of increasing/decreasing
 - determine intervals of concavity
 - Find the absolute max/min
- Sort tangent lines by the slopes of their tangent lines
- Find the area under a curve (area between a function and the x-axis)
- Find the area between two curves
- Evaluate a limit
- Calculate an integral
- 2nd fundamental theorem of calculus (take the derivative of an integral)
- Calculate the volume of a 3-dimensional figure that has known cross sections
- Know how to use the Fundamental Theorem of Calculus