Test # 2 Topics

Review topics

- Composite functions, Tangent lines
- Graphs of $f, f', f''$
- Graphs of antiderivatives
- Graphs that satisfy properties

Section 2.3

- Derivative as a function, Power rule, Sum/Difference rule, Constant multiple rule, Derivative of $e^x$

Section 2.4

- Product rule, Quotient rule
- Trig derivatives, Showing the trig derivatives

Section 2.5

- Chain rule, General power rule, Generalized form of derivatives, Derivative of $a^x$
- Rates of change, Average rate of change, Instantaneous rate of change, Story problems involving rates of change

Section 2.6

- Implicit differentiation
- Derivatives of $\ln u, a^u$
- Logarithmic differentiation