

Calculus 12 LG 9 Unit 2 Prep

- Given a function, find the average and instantaneous rates of change.
- Use the definition of a derivative to find the derivative of a function.
- Chain rule
- Show that a function is continuous or not continuous. Is the discontinuity removable or not. Is it continuous from the left or right.
- Local linear approximation.
- Implicit differentiation.
- Find equation of tangent line to curve at a point.
- Inverse trig differentiation. (Note: Inverse trig formulas will be given).
- Log and exponential differentiation.
- Related rates
- L'Hospital's rule