

MA 223
EXAM 2 Topics List

- I. Finding derivatives
 - Using the power rule
 - Using the product rule
 - Using the quotient rule
 - Using the chain rule
 - Using implicit differentiation
 - Higher order derivatives

- II. Applications of the derivative
 - Finding the slope/equation of a tangent line; finding point(s) where slope of a tangent line has a given value
 - Finding the rate of change of a function
 - Finding a marginal function and its use in estimating actual change
 - Finding velocity and acceleration
 - Finding a related rate

- III. Applications not using the derivative
 - Finding the y-value of a point
 - Finding the average rate of change
 - Finding the actual change
 - Finding the average cost function