MA 220
EXAM 2 – Topics List

I.   Finding limits
   • Using a table
   • Using a graph
   • Using direct substitution
   • By factoring and canceling
   • In the definition of derivative

II. Finding values where function is not differentiable
   • Using a graph

III. Using derivative rules
   • Power rule
   • Product rule
   • Quotient rule
   • Chain rule

IV. 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

V.   Applications not using the derivative
   • Finding the y-value of a point
   • Finding the average rate of change
   • Finding the actual change
   • Estimating the slope of a tangent line using a graph
   • Estimating the average rate of change and rate of change of a function given its graph