Chapter 4 Test

Multiple Choice. No calculator

When is the function decreasing
Find critical Numbers
Relative extrema
Concavity
Use the 2nd derivative test
limit
Horizontal asymptote $x \to \infty$
Match equation to graph
Inflection points
Area optimization
Match equation to graph
Find extrema   [a, b]
Given graph of f' find when f is concave up/
                                                          down
      MVT
      Matching sign chart to graph.

Written
    Use a calculator
  ① MVT   conditions needed
   ② 2 optimization

① MVT   conditions needed
    ②→ 2   optimization
    ③