Review Tips for final exam

Important topics for the final include but are not limited to the following ones:

1. Computing Limits: (L’Hopital’s Rule, cancellation, conjugate, etc).
   
   Suggested practice problems from textbook: Page 110, 17, 18, 19, 20; Page 229: 11, 12, 14.

2. Computing derivatives (Chain Rule, Product Rule, Quotient Rule, Power Rule, etc).
   

3. Related Rates
   
   Suggested practice problems: Page 165: 5, 6, 7, 16, 17.

4. Implicit differentiation
   

5. Linear approximation.
   

6. I.V. T, M.V. T.
   
   Suggested practice problems: Page 256: 20, 22.

7. Extrema, Monotonicity, Concavity, etc.
   
   Suggested practice problems: Page 256: 32. 34, 38, 47, 51.

8. Optimization
   

9. Integral
   