Here are topics that you should be familiar with/review as necessary. They will prove useful during 152 and 153.

- Definition of a function
- Limits notation; limits involving infinity
- Continuity of functions
 - 1. Visual
 - 2. Limits definition
 - 3. Epsilon-Delta definition
- What is a derivative
 - 1. function
 - 2. limit
 - 3. number
 - 4. instantaneous rate of change
 - 5. slope of tangent line
 - 6. velocity
- Linearity of differentiation (all calculus is linear)
- Review rules of differentiation
- Composition of functions
 - 1. Domain and range
 - 2. units
 - 3. which derivative rule applies?
- Implicit differentiation/Differentials A differential is a derivative represented as multiplication.
- Mean Value Theorem
- L'Hôpital's rule
- How are a function f and its derivative f' related?
- Antiderivatives
 - 1. Any two antiderivatives differ by a constant
 - 2. Antidifferentiation is linear
 - 3. Finding position from velocity and acceleration $v_0 = -6cm; s_0 = 9cm; a(t) = 6t + 4$. What is position at time t? Check initial conditions by plugging in 0.