## BC Calculus

| Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: |
| 4 Labor Day | $\begin{aligned} & \text { 5 } \\ & \text { Teacher Workday } \end{aligned}$ | 6 <br> Professional Development Day | 7 <br> $3.3 b$ - Derivative of an inverse function, derivative of inverse trig functions <br> HW: Pg. 250-251 <br> 23-47 odd, 48, <br> AP Practice 1-8 all | 8 <br> 3.4 - Log Derivatives and Log Differentiation <br> HW: Pg. 259-261 <br> 31-69 odd |
| 11 <br> 3.1-3.4 Test <br> Review <br> HW: <br> Pg. 261 <br> AP Practice 1-12 <br> all (3.4) <br> Pg. 264 <br> AP Practice 1-9 <br> all (Ch. 3 Review) | $12$ <br> 3.1-3.4 Test Review | 13 <br> 4.1 Notes - <br> Interpret <br> Derivatives and <br> Particle Motion PVA <br> HW: Pg. 270 <br> 5-15 odd <br> AP Practice 1-3 all | $14$ <br> Ch. 3 Test | 15 <br> 4.2 Notes- Linear <br> Approximation and rates of change other than motion and $4.3 a$ Related Rates Notes Intro <br> HW: pg. 278-281 \#35-38 all (4.2)AP Practice 1-8 (omit \#1 \& \#6) |
| $\begin{aligned} & 18 \\ & 4.3 \text { - Related } \\ & \text { Rates Notes } \\ & H W: \text { Pg. 286-291 } \\ & \# 9,10,22,23,35,38 \end{aligned}$ | 19 <br> 4.3 - Related Rates (Day 2) <br> HW: Pg. 286-291 19,39,40,53, <br> (4.3)AP Practice 1-9 all | 20 <br> 4.4 Notes - <br> Indeterminate <br> Form and <br>  <br> 4.1-4.4 Quiz <br> Review <br> HW: pg. 299-301 <br> \#27-57 odd, AP <br> Practice 1-8 all | $21$ <br> 4.1-4.4 Quiz <br> Review <br> $H W:$ Pg. 304 AP <br> Practice 1-8 all | 22 <br> 5.1 notes - Extreme Value Theorem (EVT) and Absolute Extrema <br> HW: Pg. 316-319 \#7, 39,43,47,49,51,53, AP Practice 1-6 all |
| 25 4.1-4.4 Quiz | $\begin{gathered} 26 \\ 5.2-\text { Mean Value } \\ \text { Theorem (MVT) and } \\ \text { Rolle's Theorem } \\ \text { HW: pg. } 327-331 \\ \# 9,17,25, \\ 27,31,37,68, \text { AP } \\ \text { Practice } 1-10 \text { all } \end{gathered}$ | 27 <br> 5.3 - First <br> Derivative Test, Test for Concavity, 2nd Derivative Test <br> HW: pg. 343-347 13,29,41,47,49,51, 59,67,69,77,91, <br> AP Practice 1-4 all | $\begin{aligned} & \hline 28 \\ & 5.4 \mathrm{a}-\text { Sketching a } \\ & \text { Curve } \\ & \\ & \text { HW: Pg. 358-359 } \\ & \# 1,3,9,11,13,19,25 \\ & , 33,39,41,43,53,55 \end{aligned}$ | ```29 5.3b - Sketching Derivative Graphs HW: Pg. 344-345 #35-38 all 63,64,65,66``` |

