**Topics on Introduction to Integrals Quiz/Test**

1. **Calculator: Mini – Free Response Question (10 mins, 5 points)**

* Find the average value or average amount
* Find when the function is equal to the average value
* See packet for review (solved in class)

1. **No Calculator: 5 MC, 1 mini – free response (20 mins)**
2. **Five Multiple Choice Questions (5 points, 10 mins (aka time you get on AP))**

* Find the trapezoidal approximation using a given a table of values
* Use integral properties to solve a general integral
* Find the average value of a function
* Find the derivative of an integral (FTC pt. I)
* Evaluate a basic integral using (FTC pt. II)
* Hints: Know the power rule backwards, know the antiderivative of sine and cosine, have the unit circle memorized
* See packet for review

1. **Mini-Free response question (5 points, 10 mins, no calculator)**

* Find the derivative of an integral (FTC pt. I)
* Find the relative maximum using a graph
* Find inflection points using a graph
* See packet for review, Pg. 321: #39, #45, #48

Total Time (both parts): 30 mins.

Total Points: 15 points