**EXAM 1 IS THURSDAY IN QUIZ SECTION**

Allowed:

1. A **Ti-30x IIS Calculator**
2. An 8.5 by 11 inch sheet of handwritten notes (front/back)
3. A pencil or black/blue pen

Details and rules:

1. 5 pages of questions, 80 minutes, use your time effectively.
2. **Show your work using methods from class.** The correct answer with no supporting work is worth zero points. If you guess or use some formula from physics, you don't get credit.
3. Clearly indicate work you want graded. Put a box around your final answers.
4. Leave your answer in exact form, BUT simplify standard trig, inverse trig, natural logarithm, and root values. Here are some examples of un-simplified answers I have seen on tests in the past (I took off one point):

$\sqrt{4} =$ , $8^{2/3} =$ , $\frac{3}{2} - \frac{2}{5} =$

$\cos(0) =$ , $\cos(\pi) =$ , $\cos\left(\frac{\pi}{6}\right) =$

$\sin\left(\frac{3\pi}{4}\right) =$ , $\tan\left(\frac{\pi}{4}\right) =$ , $\tan^{-1}(1) =$

$\ln(1) =$ , $\ln(e) =$ , $e^0 =$

5. We take cheating very seriously.
   There may be multiple test versions.
   Do not copy of a neighbor.
   Do not let your eyes wander.
   I report many cases to the academic misconduct board each year often because a student happened to see the answer or work of a neighbor and copied it down.
   **If we find even one part of one answer that is clearly copied from a classmate, then you will get a zero on the entire exam and you will meet in front of the academic misconduct board for further penalties.**
   (Penalties include academic probation or expulsion depending on severity of cheating)

**Quick Review**

1. Riemann Sum Approximation
   (Left/Right/Midpoints)
   Riemann Sum Notation

2. Definition of definite integral.
   Definition of indefinite integral

3. Antiderivatives, solving for constants.

4. Fund. Thm. of Calculus, part 1.

5. Fund. Thm. of Calculus, part 2.

6. Net Change and Total Change,
   distance/velocity/acceleration

7. Substitution.

8. Areas between Curves.

9. Volumes of solids:
   Cross-sectional area method,
   Cylindrical shells method.