Q5 There has been a change in the syllabus; Q5 will be on Tuesday April 23. It will cover Riemann Sums. This will be the last quiz.

**Book Problems**

5.1 p 375 1a, 5a
5.2 p 388 21, 25, 33a
5.3 p 399 23, 25, 27, 29, 35
5.4 Page 408 3, 9, 11, 13, 21, 29, 33, 37
5.5 Page 418 1, 3, 5, 7, 11, 13, 15, 21, 37, 41, 67

**Practice Riemann**

1) Let $f(x) = (x - 1)^2$ on $[-1, 2]$.
   a) Break the interval into five equal pieces. Find $\Delta x_i$
   b) List the list the endpoints $x_i$
   c) Draw the graph of $f$ and the the rectangles for an upper sum
   d) List the $x_i^*$ for the upper sum.
   e) List the $f(x_i^*)$ and use these to find $R_5$.

2) Let $f(x) = 1 + |x|$ on $[-1, 2]$.
   a) Break the interval into five equal pieces. Find $\Delta x_i$
   b) List the list the endpoints $x_i$
   c) Draw the graph of $f$ and the the rectangles for an upper sum
   d) List the $x_i^*$ for the upper sum.
   e) List the $f(x_i^*)$ and use these to find $R_5$.

**Regrade Amnesty**

I offer a regrade to people on a borderline after E2. For example: an 88 is a borderline A-, an 86 is not.

Put your old exams/quizzes in an 9 by 12 envelope, give it to me in class or under my door after the E2 grades have been posted on Canvas, by April 24. On the outside, put your name and class (408C). That’s all. Don’t glue the envelope shut.

I will sell envelopes in class at twenty-five cents (what they cost me)