Section 5.1  #  5, 8, 11, 13, 15 (for fun), 17 a, 19 b  Due Wed, 8/22  (not collected)
Section 5.2  #  13 a, b, 15, 19, 23, 24, 27, 31 and use your calculator to approximate in 40, 41.
            Due Wed, 8/22  (not collected)
Section 5.3  #  20 – 24, 26, 29, 31, 33, 37, 38, 52, 53  Due Fri, 8/24
Section 5.3  #  5, 6, 7, 11, 15, 17, 49, 50, 58, 63  Due Mon, 8/27
Section 5.4  #  9, 11, 13, 15, 20, 25, 27, 42, 63, 68, 85  Due Mon, 8/27
Section 5.5  #  5 – 38 (do many for practice); 52, 53  Due Wed, 8/29
Section 5.6  #  4, 5 – 19 odd, 20, 24, 31, 35, 41, 45, 48, 57, 92, 105  Due Wed, 8/29

Quiz 1 - Friday, August 31 covers sections 5.1 through 5.6

Section 6.1  #  6, 7, 11, 15, 19, 21, 23, 24, 25  (Collected Monday, 9/3.)
Section 6.2  #  5, 8, 10, 13, 15, 19, 33, 39, 43, (47 (for fun))  (Collected Wednesday, 9/5.)
Section 6.3  #  5, 7, 15, 21, 24, 33, 39  (Collected Friday, 9/7.)
Section 6.4  #  3, 5, 7, 8, 11, 12, (16 just set up the integral).  (Collected Monday, 9/10.)
Section 6.5  #  3, 7, 9, 12, 23, 27, 29

Quiz 2 - Wednesday, September 12 covers sections 6.1 through 6.5

Section 7.1  #  3, 5, 6, 7, 10, 13, 31, 43, 63  (do more for practice!)
Section 7.2  #  4, 11, 15, 19, 20, 39, 57

Test 1 – Monday, September 17 covers sections listed above through Section 7.2

(Go to the next page.)
Section 7.4 Use the table of integrals from class to do: # 1, 2, 7, 9, 10, 21, 27 and find
\[ \int \frac{5}{x^2 - x - 6} \, dx \]  \hspace{1cm} \text{(Collected Monday, 9/24)}

Section 7.5 Use partial fractions, not the table, on these problems. # 5, 11, 13, 15, 21, 37, 45  
\hspace{1cm} \text{(Collected, 9/26)}

**REDO TEST 1** If I wrote on your test to “See me for help” then it is an assignment for you to redo your Test 1. Use the blank copy of the test that I gave you. Make an appointment to meet me in my office so that we can go over your test and you can ask any other questions you have. The due date for this assignment is to meet with me by the afternoon of September 28.

Section 7.6 # 3, 5, 7 a, 9 a, 13 a, 19, 29, 30 a.  \hspace{1cm} \text{Due Wednesday, 9/26}

Section 7.7 Skip

Section 7.8 # 7, 9, 10, 12, 16, 17, 18, 21, 27, 29, 38, 61, 73 and Part a of 63, 65 and 69.  \hspace{1cm} \text{(Due Mon. 10/1.)}

**Quiz 3** – Monday, October 1. Covers sections since the last test listed above except it does not cover the comparison test for improper integrals. I’ll give you a short table of integrals and formulas like the Trapezoidal Rule and Simpson’s Rule if you need them.

Section 6.6 # 9, 11, 15, 19, 23, 29, 30 (Collected, 10/5.)

Section 6.7 # 5, 8, 11, 13, 15 (Collected, 10/8)

Section 6.8 1) Find the center of mass of a 2 meter rod lying on the x-axis with left end at the origin if:
   a) The density is constant and the total mass is 5 kg.
   b) The density is \( \delta(x) = 15x^2 \) kg/m.  \hspace{1cm} \text{(Ans. 1.5 m)}
   c) The density is \( \delta(x) = 2 + 6x \) gm/m.

   \hspace{1cm} **And** do # 7; Find only the x-coord of the centroid in problems 15 and 29; 31 a, b, c.  \hspace{1cm} \text{Due 10/10.}

**Quiz 4** – Friday, October 12 covers Sections 7.8 (again, including comparison), 6.6, 6.7 and 6.8.

Section 8.1 # 17, 19, 21, 25, 26, 27, 37 – 41, 95 – 101 odd, (126 read, try for fun) Due 10/19 (not collected)

**Test 2** – Monday, October 22 covers sections since Test 1 (listed on this page above). I’ll give you the same info you were given for Quiz 3.

(GO to next page.)