Section 5.1  # 5, 8, 11, 13, 15 (for fun), 17 a, 19 b  Due Wed, 8/23
Section 5.2  # 13 a, b, 15, 19, 23, 24, 27, 31 and use your calculator to approximate in 40, 41.  
Due Wed, 8/23
Section 5.3  # 20 – 24, 26, 29, 31, 33, 37, 38, 52, 53  Due Fri, 8/25
Section 5.3  # 5, 6, 7, 11, 15, 17, 49, 50, 58, 63  Due Mon, 8/28
Section 5.4  # 9, 11, 13, 15, 20, 25, 27, 42, 63, 68, 85  Due Mon, 8/28
Section 5.5  # 5 – 38 (do many for practice); 52, 53  Due Wed, 8/30
Section 5.6  # 4, 5 – 19 odd, 20, 24, 31, 35, 41, 45, 48, 57, 92, 105  Due Wed, 8/30

**Quiz 1** - Friday, September 1 covers sections 5.1 through 5.6

Section 6.1  # 6, 7, 11, 15, 19, 21, 23, 24, 25  (Collected Monday, 9/4.)
Section 6.2  # 5, 8, 10, 13, 15, 19, 33, 39, 43, 47  (Collected Wednesday, 9/6.)
Section 6.3  # 5, 7, 15, 21, 24, 33, 39  (Collected Friday, 9/8.)
Section 6.4  # 3, 5, 7, 11, 12  (Collected Monday, 9/11.)
Section 6.5  # 3, 7, 9, 12, 23, 27, 29

**Quiz 2** - Wednesday, September 13 covers sections 6.1 through 6.5

Section 7.1  # 3, 5, 6, 7, 10, 13, 31, 43, 63  (Due Wed, 9/13.)
Section 7.2  # 4, 11, 15, 19, 21, 43, 57  (Due Fri, 9/15.)

**Test 1** – Monday, September 18 covers sections listed above through Section 7.2

(GO to next page.)
Section 7.4  Use the table of integrals from class to do:  #  1, 2, 7, 9, 10, 21, 27  and find \[\int \frac{5}{x^2 - x - 6} dx\] (Collected Monday, 9/25)

Section 7.5  Use partial fractions, not the table, on these problems.  #  5, 11, 15, 21, 37, 45  (Collected, 9/27)

Section 7.6  #  3, 5, 7 a, 9 a, 13 a, 19, 29, 30 a.

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.  (Due Mon. 10/2.)

**Quiz 3** – Monday, October 2.  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, 10/6.)

Section 6.7  #  5, 8, 11, 13, 15  (Collected, 10/9)

Section 6.8  1) Find the center of mass of a 2 meter rod lying on the x-axis with its 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.  \(\text{Ans. 1.5 m}\)  

   b) The density is \(\delta(x) = 2 + 6x\) gm/m.

   **And**  do  #  7; Find only the x-coord of the centroid in problems 15 and 29; 31 a, b, c.  Due  10/11.

**Quiz 4** – Friday, October 13 covers Sections 7.8 (again, including comparison), 6.6, 6.7 and 6.8.

Section 8.1  #  17, 19, 25, 26, 27, 37 – 41, 95 – 101 odd, 126 (read one, try for fun)  Due 10/20 (not collected)

**Test 2** – Monday, October 23 covers sections since Test 1 (listed on this page above).  I’ll give you the same info you were given for Quiz 3.