

Math 1080-001 Polynomial Calculus  
Assignment #10 - Due: 11/11/2009

Do not wait until the last minute to start an assignment! It's best to get an early start and work on it in stages. If you have questions, you can reach me by phone, e-mail (lance.lana@ucdenver.edu), or during office hours in the MERC (NC 4015):

Monday 10:00 – 10:30 am; 12:20 – 12:50 pm and 2:30 – 3:00 pm  
Tuesday 11:00 am – 12:00 noon  
Wednesday 10:00 – 10:30 am; 12:20 – 12:50 pm and 2:30 – 3:00 pm  
Thursday 11:00 am – 12:00 noon  
Other times are available – call or e-mail first.

Please follow these guidelines in turning in homework assignments:

1. Assignments are to be done on green engineering paper. Green engineering paper can be purchased at the bookstore.
2. All assignments should be done in pencil.
3. Show your work! You must show your work to get full credit. Partial credit is usually possible but only if you show your work. A correct answer with no work shown may receive no credit.
4. Show all work neatly since messy papers may not be graded.
5. Include graphs where appropriate. The graphs can either be a sketch or a computer printout with important information (axes, scale, intercepts, and important points) identified.
6. Staple your papers together.
7. Make sure that you do the assigned problems since no credit will be given for work on an incorrect problem.
8. When appropriate, please circle or box your answers.

Homework Assignment #10 – Due at the start of class on Wednesday 11/11/2009.

Practice Problems: You do not turn these in.

4.2 #3, 7, 11, 15, 19, 21, 27, 33, 37, 39, 43, 45, 49, 55, 61, 63.  
4.3 #5, 11, 13, 15, 19, 25, 27, 29, 43, 45, 49, 55, 73, 75, 77, 85.

Problems to turn in: For full credit you must show your work! Be sure to do all parts of each problem. Follow directions carefully. The correct answer is important, but you also receive points for the work that leads to that answer so show your work. You must use calculus to answer the questions!

4.2 #8, 12, 16, 22, 34, 38, 40, 46, 50, 56.  
4.3 #8, 16, 32, 44, 46, 50, 56, 60, 78, 86.

**Note:** In addition to the above paper and pencil homework assignment there is also online homework for section 4.2 and 4.3. You access this homework with MyMathLab and it is also due on Wednesday 11/11/2009 at 8:30 AM. It is recommended that you do the online homework before you do the written homework. **DO NOT WAIT UNTIL THE LAST MINUTE TO START!!!!**