

Name: _____

Problem Set 1
Math 4281, Fall 2013
Due: Friday, September 13

Review Sections 1.1, 1.2 thru p. 14, 2.1 in your textbook, and read Section 2.2.

Complete the following items, staple this page to the front of your work, and turn your assignment in at the beginning of class on Friday, September 13.

1. Carefully read the entire course website. Send an email to your instructor containing:
 - Math4281 in the subject line;
 - a review of the course website (What did you like? What would you change? List any typos you discovered, etc.); and
 - an acknowledgement that you understand the policies and procedures for this course.
2. Complete the following exercises from Chapter 1 of your textbook. To receive credit for #20 and similar problems in the future, you must justify your answers.
p. 19-20 #13, 20
3. Use mathematical induction to prove that for an integer $n \geq 1$, $n^3 - n$ is divisible by 3.
4. Complete the following exercises from Chapter 2 of your textbook.
p. 33 #15(b,c,e)
p. 34 #20, 23, 24, 31

Through the course of this assignment, I have followed the guidelines of the University of Minnesota Student Conduct Code.
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Signed: _____