

MATH 313 HOMEWORK 6, FALL 2015

DUE AT THE BEGINNING OF CLASS ON THURSDAY, OCTOBER 8

One goal for this course is for you to develop your skill in effectively communicating mathematics. With this in mind, you should clearly write up your solutions. Solutions with little or no justification will receive little or no credit.

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- (1) Make sure you have read through section 10 Part 2 of the Gallian textbook.
- (2) On pages 200 - 205 do problems 6, 8, 12, 24, 28, 40, and 62.
- (3) On pages 219 - 224 do problems 8, 11, 14, 41, and 56.
- (4) Optional Assignment:

In class on Tuesday, October 6 there is a guest lecture from the College and Arts and Sciences. The subject of the talk is on career opportunities for graduates of mathematics and the physical sciences. The assignment below may be used to replace a low score on any other HW assignment.

- (a) Write a couple of paragraphs discussing the main points of the guest lecture.
- (b) Tell me, in a third paragraph, whether or not you would recommend a similar guest lecture for my students in future semesters, and why.