

MATH 111 MASTERY PROBLEMS Summer 2009

What is a Mastery Problem?

- ✓ Periodically, you will be assigned one problem which exemplifies the material covered (usually a problem at the end of the chapter). You must write the solution to this problem at a mastery level. This includes:
 - Complete mathematical correctness
 - All work for the problem and work steps are shown (even for simple answers, the reason *why* is always given)
 - The solution is presented using clear form and style
 - All drawings and graphs are neat, clear and well labeled.
 - If a graph or drawing is included with the question **IN THE BOOK**, the graph or drawing is reproduced on your mastery problem write up

How does the set of Mastery Problems affect my Math 111 grade?

- ✓ The set of Mastery Problems is worth 10% of your course grade.
- ✓ Each Mastery Problem is worth 10 points
 - ✓ 7 points for correct content
 - ✓ 3 points for appropriate style and form

When are the Mastery Problems due?

- ✓ Mastery Problems are usually due two class days after they are assigned. See your course assignments web page for specific dates.

Mastery Problem Rewrites

- ✓ Any Mastery Problem with an initial score of less than 7 points may be rewritten one time; your recorded score will be the *AVERAGE* of your initial and rewrite scores.
- ✓ Mastery Problem Rewrites are due by the day of the exam covering the section of the Mastery Problem. See your course assignments web page for specific dates.

Mastery Problem Rewrites Turn In Procedure / Required Page Header

- ✓ Turn in each Mastery Problem Rewrite on a **new** piece of paper.
- ✓ **STAPLE** your Mastery Problem Rewrite on **TOP OF** your initial (graded) Mastery Problem write up and turn in both papers.
- ✓ On the top **RIGHT** of the front of the page of the rewrite, include the word "Rewrite."

Late Mastery Problem Write-Ups

- ✓ All work is due by 1:00 p.m. No exceptions.
- ✓ 20% overall deduction per class day (MTWR) late for late Mastery write ups.

No Late Mastery Rewrites

- ✓ Mastery Problem Rewrites may not be turned in late, i.e., not past the Mastery Problem rewrite *due by* deadline on your course web page. No exceptions.

What is Form and Style?

- ✓ Each Mastery Problem will be awarded 3 points for appropriate style and form
- ✓ $\frac{1}{2}$ to 1 point will be deducted for each missing or not addressed item:
 - ✓ Use correct spelling
 - ✓ Use correct notation and correct units (mg, feet, hours, etc)
 - ✓ Use correct terminology
 - ✓ Sketch graphs carefully (on graph paper or using a ruler)
 - ✓ Label graphs and axes carefully