Homework 5
Math 130 - Due Feb. 22, 2011

## Written Problems from P\&B:

Section 3.6 (p.85) \# 1, 2, 3, 4
To be done as a 15 -minute quiz. Please show all your work, you will be graded on the presentation of your solutions as well as the mathematics involved.

1. Suppose that a student has the following work on his paper for long division:


When asked why the remainder is so large, the student responds that with only 2 hundreds there is no way to divide them equally among 4 people, so they are left over.
(a) Describe the steps of the algorithm that the student is using.
(b) Does the student's algorithm work? Why or why not?
(c) Come up with a problem on which the student's algorithm would obtain the correct answer.

