Problem Set 2
Math 226 - Sections 39583 and 39587

The following problem set is split into three parts: the recommended practice problems, which are not to be handed in; the quiz practice problems, which form the basis for the upcoming quiz, and the homework problems, which will be handed in.

Recommended Practice
These problems are not to be handed in or graded (unless they are repeated below). They are recommended for your practice only.

1. Section 10.3: All problems are good practice, especially
2. Section 10.4: All problems, except for 39-41 (because we didn’t discuss torque in the lecture).
3. Section 10.5: All problems in 10.5 are good practice.

Quiz Practice Problems
The problems on Quiz 2 (Thursday, Jan. 28) will be selected from the following problem set, but may be slightly modified for the quiz. During the quiz, no notes, books, calculators or other aides will be allowed (only writing utensils). Leave any numerical responses in calculator-ready form.

1. Section 10.3: # 1, 4, 8, 10, 11, 12, 14, 16, 20, 22, 24, 30, 31, 36, 37, 49
2. Section 10.4: # 2, 4, 8, 9-14, 16, 18, 19, 27, 33, 37
3. Section 10.5: # 21-25, 27, 29

Homework Problems
The solutions to the following problems are due to be handed in at the beginning of your discussion session on Thursday, Jan. 28.

1. Section 10.3: # 28, 33, 34, 39, 46
2. Section 10.4: # 20, 43, 44
3. Section 10.5: # 40