

Homework 8 – due 11/07/03

Math 340

Problems for practice (highly recommended, but not to be handed in):

From Hubbard/Hubbard:

2.5.1-2.5.5, 2.5.7, 2.5.8, 2.5.15 (for this last, we did it in class, but you might want to do it again for practice).

From Marsden/Tromba/Weinstein (handout):

Section 3.3: Problems 1, 5, 7, 13, 15.

Section 3.2: Problems 1-5.

Problems to be handed in:

1. Problem 2.5.6
2. Problems 2.5.9
3. Give a parametric description of the solution set for the system

$$2x_1 + 4x_2 - 2x_3 + 2x_5 = 0$$

$$x_1 + 2x_2 - x_3 + x_4 + 2x_5 = 2$$

$$2x_1 + 4x_2 - 2x_3 - 3x_4 - 2x_5 = -6.$$

4. From handout: Section 3.3, Problem 14.
5. From handout: Section 3.2, Problem 6.