

Fall, 2014

MATH 3500(H)
PROBLEM SET #13

T. Shifrin

DUE Wednesday, November 19, 2014.

Problems to work but not hand in:

§5.2: #6.

§5.3: #1a,g,i, 6c.

Problems to turn in:

WeBWork Homework 13

§5.2: #5 (4), 8 (4), 9 (4), 12 (3), 14 (4).

N.B. For full credit for problems in §5.2, be sure to justify existence of a global maximum or minimum. You will either have to resort to the technique of Example 5 or refer to (or state an appropriate generalization of) the appropriate homework problem when the obvious domain is non-compact.

§5.3: #2 (3), 4 (3), 5 (2).

Challenge problems (Turn in separately):

§5.2: #15* (4).

§5.3: #7 (3), 8 (3).

*One of my all-time favorites!