

Fall, 2009

**MATH 3500(H)**  
**PROBLEM SET #7**

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DUE Wednesday, October 7, 2009.

*Problems to work but not hand in:*

§3.3: #1, 2, 5, 6, 14.

§3.4: #1a, 2b, 3.

*Problems to turn in:*

§3.2: #16 (3), 18 (3).

WeBWork Homework 7

§3.3: #11\* (3), 15 (3), 16 (3).

§3.4: #2d (2), 5 (3), 6 (2), 11 (3), 12 (3).

*Challenge problems* (Turn in separately):

§3.3: #17 (3).

§3.4: #7 (3), 8 (3), 9 (3), 13 (4), 15 (4).

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\*Please add the hypothesis that  $f$  is differentiable. Also, think about to which WeBWork problems this result might be relevant.