Math 318   Spring 2015
— Assignments are due at the beginning of the class on the due date.
— No late assignments will be accepted.
— Please use letter sized paper, and write your name and student number on the front page.
— Don’t forget to staple your homework!

Assignment 5   Due date: Feb 27, 2015

Give complete solutions/proofs to the following problems from Shifrin.

Section 3.3   3
Section 3.3   7
Section 3.3   8.
Section 3.3   9.

Note: Try applying (1) and (2) of Proposition 3.1. This approach is easier than to prove it directly.

Section 3.3   17

Note: Use the hint and try to show that \( \frac{\partial f}{\partial u} = 0 \).