

## Homework 9

Math 330

Type (in  $\text{\LaTeX}$ ) your solutions to the following problems. Submit them either on Moodle or in the homework mailbox (RMS level 3, near the fireplace) by 4:00pm on **Thursday, November 15**.

1. Problem 5.5.8 — *Hint*: For part (a), try differentiating  $\pm uv''' \pm u'v'' \pm u''v' \pm u'''v$ .
2. Problem 5.5.9
3. Problem 5.6.1
4. Problem 5.6.2
5. Problem 5.7.1