MATH 2320 – Discrete Mathematics Fall 2011

Assignment #5

Instructions

- Answer each question completely; justify your answers.
- \bullet This assignment is due at 17:00 on Thursday October 27th in Assignment Box #23.
- 1. Exercise 3.2.7, part (d).
- 2. Exercise 3.2.10, except part (a).
- 3. Exercise 3.2.13.
- 4. Exercise 3.2.22, part (b).
- 5. Exercise 3.2.23, part (c).
- 6. Exercise 3.3.3, except part (c).
- 7. Prove that |(-3,10)| = |(4,5)|.
- 8. Exercise 3.3.19, parts (a) and (c).
- 9. Exercise 3.3.20, except parts (a) and (e).
- 10. Is the following statement true or false: if A and B are sets such that $A \subsetneq B$ then |A| < |B|. Explain.