PMAT 4340 – Combinatorial Analysis   Assignment #4
Fall 2006

Instructions

- Answer each question completely; justify your answers.
- This assignment is due at: 5:00 pm on Wednesday October 11th.

1. Exercise 5.4.22.

2. Exercise 5.4.54.

3. Exercise 5.5.11.

4. Exercise 5.5.12.

5. Exercise 5.5.25: Evaluate $\displaystyle\sum_{k=0}^{n} \frac{(2n)!}{k!^2(n-k)!^2}$.

6. Exercise 5.5.32.

7. Exercise 6.1.2.

8. Exercise 6.1.4.

9. Exercise 6.1.12.

10. Exercise 6.1.14.

11. Exercise 6.2.2.

12. Exercise 6.2.4.

13. Exercise 6.2.6.

14. Exercise 6.2.8.

15. Exercise 6.2.18.

16. Exercise 6.2.20.