Homework III

1. [12 points]
Problem 17, p. 243 of our text.

2. [15 points]
Problem 21, p. 243 of our text.

3. [5 points]
Problem 3, p. 251 of our text.

4. [15 points]
Problem 5, p. 251 of our text.5

5. [8 points]
Explain why for any sets A and B, #(A∪B) = #A + #B − #(A∩B).

6. [10 points]
Problem 1, p. 262 of our text.