CS2022/MA2201
HW#2

DUE: Monday, September 7 (Canada Day)

1. (4 points) Do **Exercise 1.4.10** of our text.

2. (4 points) Do **Exercise 1.4.14** of our text. For each problem for which your answer is *yes*, describe the set whose power set is displayed.

3. (2 points) Do **Exercise 1.4.18** of our text.

4. (1 point) Do **Exercise 1.5.8** of our text.

5. (6 points) Do **Exercise 1.5.20** of our text. If either answer is *yes*, then prove it. If either answer is *no*, then show a counterexample.

6. (4 points) Do **Exercise 1.6.10** of our text.

7. (2 points) Do **Exercise 1.7.12** of our text.