Part I: Read and Respond

No Part I this time, but you will likely need to refresh your reading of Section 3.3 as you work on the Part II exercises.

Part II: Exercises (prepare for class for Friday, March 21)

- 1. For each of the following sets, find the complement and the closure of the set.
 - (a) (e, π)
 - (b) N
 - (c) Q

(d)
$$\left\{ \sum_{j=1}^{n} \frac{1}{j^2} : n \in \mathbb{N} \right\}$$

- (e) $\{-1,1\}$
- (f) (0,1]
- (g) R⁺
- (h) Ø
- 2. Exercise 3.3.1
- 3. Exercise 3.3.5

Part III: Problems (due Wednesday, March 26 at the beginning of class)

- 1. Exercise 3.2.11 (I)
- 2. Exercise 3.2.15 (P)