

**PROBLEM SET 5**  
**Due Friday, February 23**

**Question 1**

Problem 4.43 in Chapter 4, McClave, Benson and Sincich.

**Question 2**

Problem 4.46 in Chapter 4, McClave, Benson and Sincich.

**Question 3**

Problem 4.48 in Chapter 4, McClave, Benson and Sincich.

**Question 4**

Problem 4.60 in Chapter 4, McClave, Benson and Sincich.

**Question 5**

The mean number of patients admitted per day to the emergency room of a small hospital is 2.5. If, on any given day, there are only four beds available for new patients, what is the probability that the hospital will not have enough beds to accommodate its newly admitted patients?

**Question 6**

Problem 5.10 in Chapter 5, McClave, Benson and Sincich.

**Question 7**

Problem 5.24 in Chapter 5, McClave, Benson and Sincich (**only parts a, b, c**).

**Question 8**

Problem 5.25 in Chapter 5, McClave, Benson and Sincich (**only parts a, b, c**).

**Question 9**

Problem 5.26 in Chapter 5, McClave, Benson and Sincich.

**Question 10**

Problem 5.29 in Chapter 5, McClave, Benson and Sincich.