Chapter 8 Solutions

Section 1

Problem 1   300

Problem 2   a. 10,000, b. 5040

Problem 3   a. 120, b. approximately $2.432902008 \times 10^{18}$, c. 6642

Problem 4   a. 3024, b. 6

Problem 5   a. 1,000,000,000, b. 3,628,800

Problem 6   6840

Section 2

Problem 1   a. 20, b. 8

Problem 2   a. 142,506, b. 15,504, c. 3,907,008

Problem 3   a. 1, b. 4, c. 58,905

Problem 4   a. 4,292,145, b. 554, 400

Problem 5   a. 60, b. 25

Problem 6   a. 930,240, b. 10

Section 3

Problem 1   approximately .1%

Problem 2   approximately .5%

Problem 3   approximately .08%

Problem 4   approximately 14.2%