

**ECE 3020 Homework 4**  
**Due Date: None – not for grade**

- 1) On-line Text, Problem 4.8.5 (N.B. – There are different ways to define what is meant by an “outcome” in Chuck-a-Luck. You will see different meanings used in some examples on the Web. Be sure to read Example 4.16 in the on-line text carefully to understand the meaning of “outcome” used in this problem.)
  
- 2) On-line Text, Problem 4.8.7
  
- 3) How many numbers between 1 and 1000 are not divisible by 3, 5, or 7?  
*Hint:* Use the principle of inclusion and exclusion to solve this.