

# Statistics 3657a : Suggested Problems

## Chapters 1 And 2

September, 2014

### Chapter 1.8

3, 4, 6, 10, 21, 34, 36, 45, 46, 48, 57, 64, 68, 71, 74

### Chapter 2.5

3 (interpret this problem so that the support of the pmf is only those values of  $k$  in the table; see below for a related problem),

4, 6, 7, 12, 14, 15, 16, 17, 21, 29, 30, 33, 34,

36 (try this for  $n = 4$  first to see what happens.  $[x]$  is the greatest integer of the number  $x$ ; look up the greatest integer function if you need to),

37, 39, 40, 42, 44 (it is a similar idea to Q 36), 49, 58, 59, 63, 64, 65, 66, 67

2.5.3 : Can you give another distribution, say cdf  $G$ , so that  $F(k)$  is the values in the table but  $F \neq G$ . Hint : What are possible values for  $G(1.5)$ ?