

# Homework 8 Answers

## BSTA 550

### Questions

1. (a) parameters:  $\sum_{i=1}^m n_i$  and  $p$   
(b) Not given  
(c)

$$p(1-p) \sum_{i=1}^m n_i$$

2. (a) Exponential distribution  
(b)  $\lambda = 240$   
(c) Not given
3. 0.252
4. First row given in homework problem
5. #3: Poisson approximation of Binomial when  $n$  is large and  $p$  is small