MATH 371
Review problems

5. Customers arrive at Beaver Sports' checkout counter at an average rate of 5 customers *per hour*. During a given *two*-hour period, what is the probability at least 9 customers arrive? Briefly justify the computation that gives your answer. Bonus: Give a long proof justifying the distribution you use.

6. Section 5.11 on conditional expectations and the like: Try Chapter 5

   133

   145

7. Chapter 5 Supplementary exercises

   149 (marginal and conditional continuous densities)

   151, 153. 157

8. Chapter 6 Supplementary exercises

   92

   102 (hardish?)

9. Use the mfg for a Poisson random variable $Y \sim \text{Pois}(1.7)$ to compute the value of $E(Y)$ and $V(Y)$.