

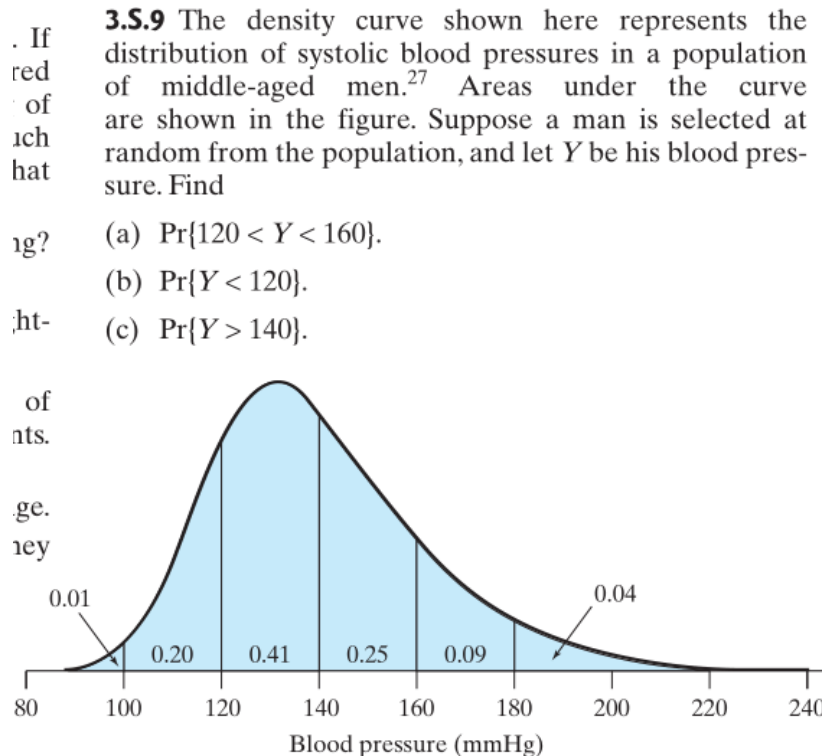
STAT 205, Spring 2015

Homework 3

Out: Thursday February 5. Due in: Thursday February 12

Please give in your answers on a single side of paper.

1. Problem 3.S.9(c) on page 120.
2. Problem 3.S.10(a,b) on page 120. These are binomial probabilities; state what n and p are. You can use R to answer (a) and (b), but show your work (i.e. copy and paste the R commands and output).



3.S.10 Refer to the blood pressure distribution of Exercise 3.S.9. Suppose four men are selected at random from the population. Find the probability that

- (a) all four have blood pressures higher than 140 mm Hg.
- (b) three have blood pressures higher than 140, and one has blood pressure 140 or less.