1. Problem 3.S.9(c) on page 120.
   (c) \( \Pr(Y > 140) = 0.25 + 0.09 + 0.04 = 0.38 \)

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).

Let \( X \) be the number of men with blood pressures higher than 140 mm Hg. Then \( X \sim \text{bin}(4, 0.38) \)

(a) \( \Pr(X = 4) = 0.38^4 = 0.021 \)
   \[ > \text{dbinom}(4, 4, 0.38) \]
   \[ \text{[1]} \ 0.02085136 \]

(b) \( \Pr(X = 3) = 4C_3 0.38^3(1 - 0.38)^1 = 0.136 \)
   \[ > \text{dbinom}(3, 4, 0.38) \]
   \[ \text{[1]} \ 0.1360826 \]