COB 191 HW#4

1. P(x = 0) = 0.5^5 = 1/32 = 3.125%
   1. The probability she gets bumped is 1.40/1000 or 0.14%
   2. For independent travelers, the chances of being bumped 1 – (1 - 0.14) ^10 or 0.0139, which is about 1.39%
   3. 49.1/24 = 1.75/hr
   4. 31.9%
   5. 51.6%