Ceng272 - Quiz 3

April 27, 2011

1. (Monday Section) One prominent physician claims that 70% of those with lung cancer are chain smokers. If his assertion is correct,

   (a) find the probability that of 10 such patients recently admitted to a hospital, fewer than half are chain smokers.

   (b) find the probability that of 20 such patients recently admitted to a hospital, fewer than half are chain smokers.

2. (Wednesday Section) A home-owner plants 6 bulbs selected at random from a box containing 5 tulip bulbs and 4 daffodil bulbs. What is the probability that he planted 2 daffodil bulbs and 4 tulip bulbs?