- 1-C(250,2)=31125
- 2-C(5,3)=10
- 3-2^3 =8
- 4-C(30,3)=4060
- 5-C(6,3)=20
- 6- The probability of not rolling a 7 on any given roll is  $(30/36)^3$  then the probability of rolling at least one 7 in there rolls of a pair of fair dice is 1-  $(30/36)^3$  = 0.4213
- 7-(4\*4) + C(4,3) = 16 + 4 = 20
- 8-a) C (2,1) \* C (20,9) = 1343680
  - b) C (2,2) \* C (20,4) = 4845