

3) 
$$12c_2 = 66$$

$$P(8) = \frac{28}{66} = \frac{14}{33}$$

4) 1- 
$$15c_3 = 450$$
,  $10c_3 = 120$   
2-  $5c_1 * 10c_2 = 1250$   $\frac{250}{455} = 0,2747$   
3-  $1-0,2637 = 0,7363$ 

6) 
$$P(A) = \frac{3}{8}$$
,  $P(B) > \frac{1}{2}$ ,  $P(A \cap B) = \frac{1}{2}$   
 $P(A^c) = 1 - P(A) = 1 - \frac{3}{8} = \frac{5}{8}$   
 $P(B^c) = 1 - \frac{1}{2} = \frac{1}{2}$   
 $P(A^c \cup B^c) = \frac{5}{8} + \frac{1}{2} - \frac{3}{8} = \frac{1}{2}$   
 $P(A \cap B^c) = \frac{3}{8} + \frac{1}{2} - \frac{3}{8} > \frac{1}{2}$ 

8)  $\leq P(X) = K^2 - 8$   $K^2 - 8 = 1$   $K^2 = 9$  K = 39) 1 - (AUB) = 1 - 0,8 = 0,2