## DATA 363: Check point EIEZ

(b) At least 2 H in a now > E HHT, THH, HHH3 PEAT Least 2 4 in a now 3= 3

(a) Sum is 9 = {(3,6), (4,5), (5,4), (6,3)} P & Sum is 93 = 4 = 1 36 9

Given 
$$\frac{P(A)}{P(A^c)} = \frac{a}{b}$$

Now, from the Complement Rule, we know that

$$P(\Omega) = P(A) + P(A^c)$$

Now from the definition of PLA), we can say

$$P(A) = \#A = P(A) = a$$
 $\#\Omega = P(\Omega) = a+b$ 

Since there are 4 acus in a deck, the number of ways to draw 2 aces = 12 ways