1) 15 shelents

Prob no student will have to ans > 1 quot?

2) intranse 00000-99999 uniter @random
even into that stort w/ 2 add disits, whose charts are make
random governote 8 numbs, what prets 5 nums that meet ar untime?

0-100 ! G 100-1000 ! 5.4.5 > 100 1000-10000 ! 5.4.7.8 = 700

5000 total reg into

10000 - 99999 : 5.4.7.6.5 = 4200

$$P = \frac{5000}{99999} = .05 pm = 5% prob$$

$$P(X=5) = (8) (.05)^{5} (1-.05)^{7}$$

$$P(X=5) \Rightarrow P = .000015001 = 1.5 \times 10^{5}$$

3) roll 3 six sized fair Daze

A = event that 2 dice than 4

B= 3 die stow save value

Are A+B indeputil ?

P(B) = 4 mm 4 chood = 62 = 36

 $P(A) = {3 \choose 2} {3 \choose 6}^2 {3 \choose 6} + {3 \choose 3} {3 \choose 6} {3 \choose 6} = \frac{1}{2}$

P(A) × P(B)= 1 × 1/36 = 1/2

P(Anis) = P(A) x P(is)

i. A4 B are

independent