Problems; - (DRV)

1) Let x be a do vo. v with the p.m.f.
given below:

X	-3	6	9
P(x)	1/6	1/2	/3
	•		

Find E[x], E[x], V(x),

- 4) Find the expectation of the number on die when thrown
- 3). Two unbiased dice are 4thmown. Find the expected Values of the Sum of numbers of point on them.
- to each point (a,b) in 5 the maximum of its numbers ie x(a,b) = max (a,b) = find the probability distribution. X is a grandom variable with x(5)=\$1,2,3,45,6 }. Also find the mean, variance of the distribution.

- Two dice are thoson. Let X assign to each point (9,6) in S the minimum of the numbers i.e x (a,b) = min (a,b) find the probability distribution. X is a random Variable with X (s)=412,3,4,5,6 > Also find the mean, Variance of the distribution
- 6) In four tosses of a coin, Let x be the number of heads. Find the mean and Variance of X.
- 7) obtain the probability distribution of x the number of heads on three tosses of a coin (Or a simultaneous toss of three coins)

$$TL' = \frac{1}{6} = \frac{7}{2} = 3.5$$

