Expected value (mean, expectation, or overage)  $E(x) = \sum P(x;) x;$ The expated value gives the central value of the experiments one repeated many fines. Properties: Linear Principle: for two random variables & and y >> E(x+y) = E(x) + E(y) for a constant C. E(x+c) = E(x) + c F (CK) = CF(X)

D

D

E

D

D

B

6

3