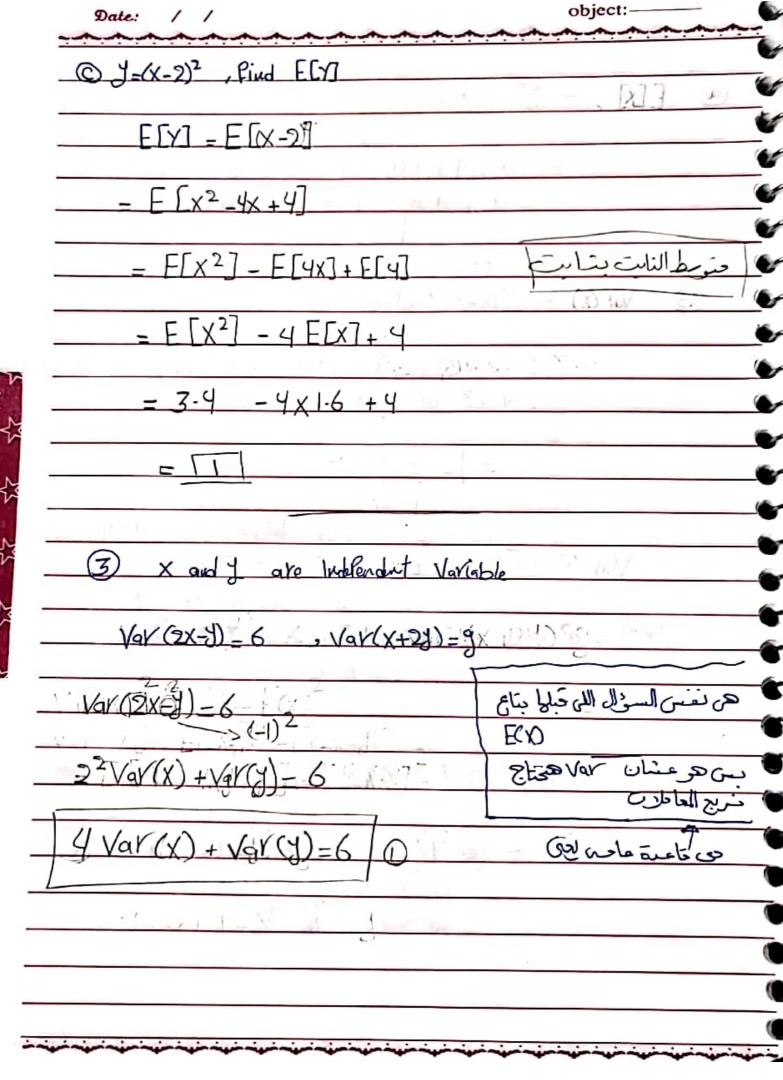


= S(x).P60 F[X] (0) BX 0.1 + 1X0.4 + 2 Xo.3 + 3 Xo.7 Var(x) - E(x-x)2.P(x) (0-1-6)2x 0-1 + (1-1-6)2x 0-4 + (2-1-6)3x0-3 + (3-1-6)2X0-2... 0-84 Var(x) = E(x) - E(x)2 = 02 x0-1 +12 x64 +22 x0-3+32x02 =3.4



A) P= (10) (0.25) (0.75) =01.058 = PC18) P(16) = 0.016, P(17) = 0.0038 P(18) = 0.0003, P(19) = 0.00002 P(20) = 0.000000 9 P(x>18) = 0.019 2 = 10 /h for lopm: 11 pm p(K)= 1 2 2 10 x 1.5 = 15 P(11) = 0.066 P(12) = 0.08 P(13) = 0.09 p(14) = 0.10 P(1B) = 0.10 P(10 = X = 15.) = P(11) + P(12) + P(13) 4 P C14) 1 P C15) = 0.066 + 0.08 + 0.09 + 0.1 + 0.1 = 20,44

= P(5)+-P(5)-=09-0.7=0.2 P(2<x<5) - P(5) -P(2) $P(x \ge 3) = 1 - P(x \le 3)$ 7) mean of Bionomial dis-15 K-P Vallance is K-P-(1-P)