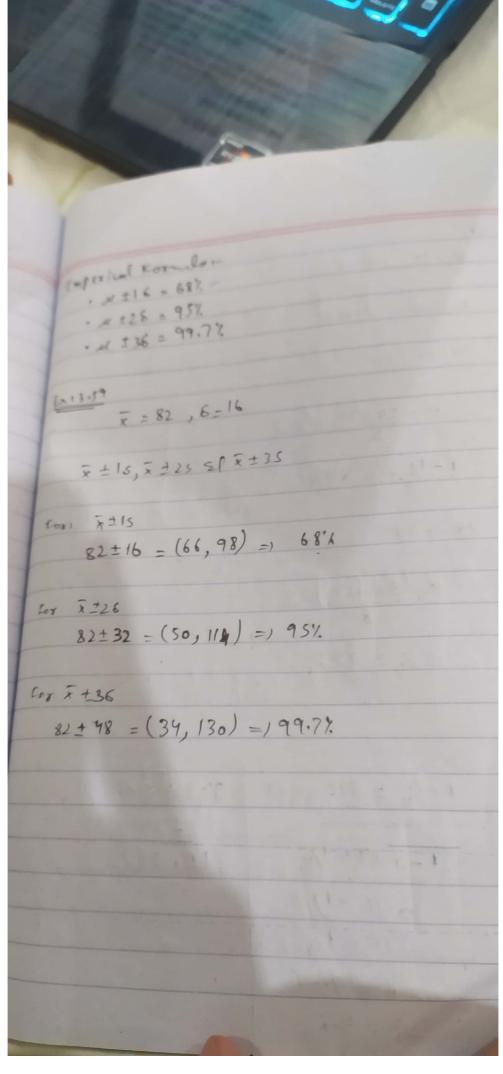
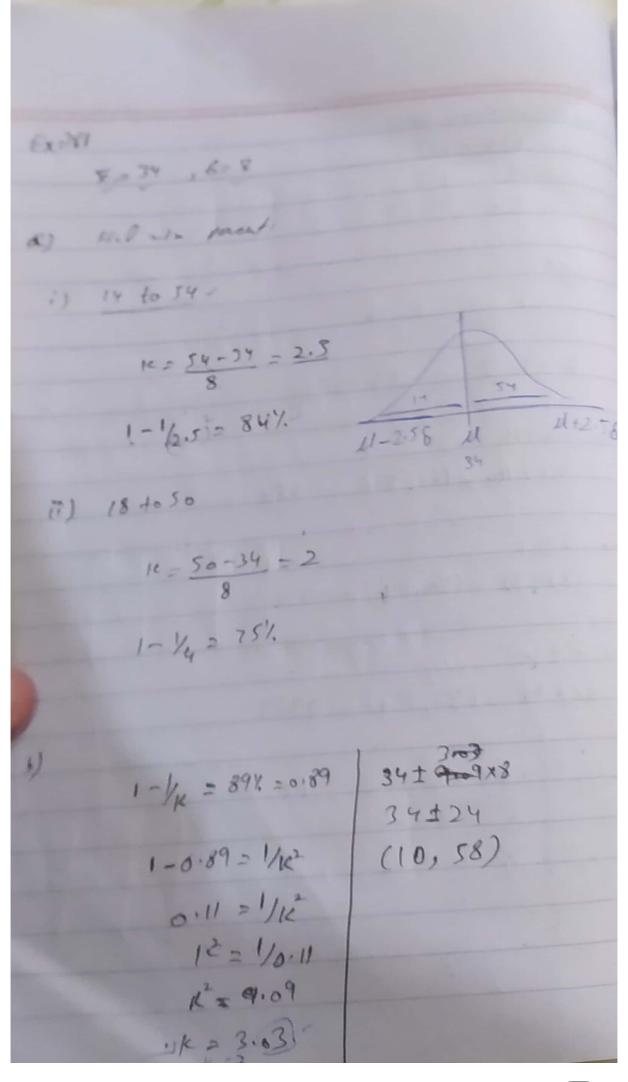
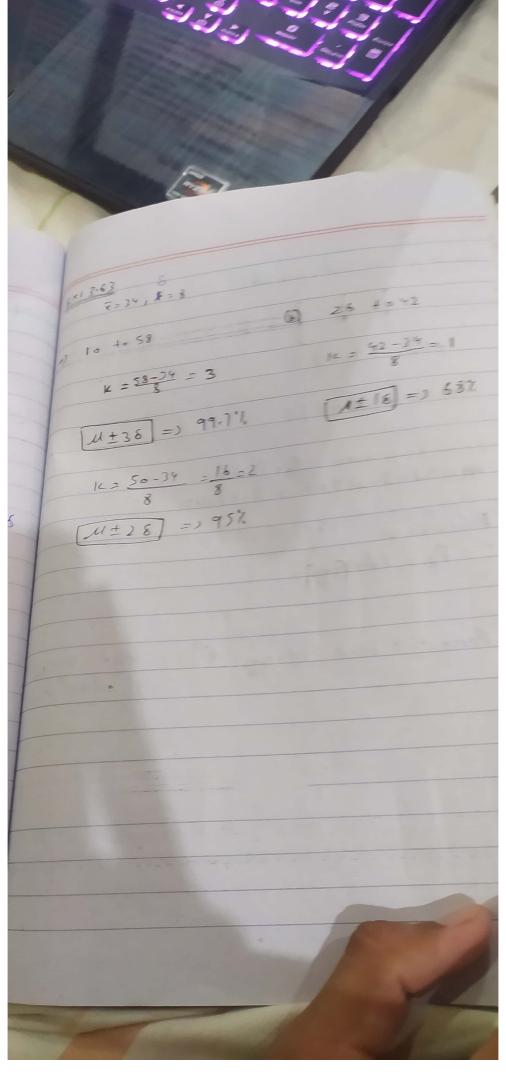
Probability - Approximate percenti=) Emperical. Minimi Perceti = (hebysher Ex:3.57 x = 230, 6=41 FOXI M (1+28) =) 230±2×41 = 230±82 = (148,312) 1-1/12=1-1/4= 75%. For 以生2·58 =) 230 ±2·5×41 $=23\pm102.5=(127.5,332.5)$ 1-1/2.53 = 84% FOR 11 ±38 =) 230 ± 3×41 = 1-1/2 = (107, 353) = 1-1/q = 88.9%

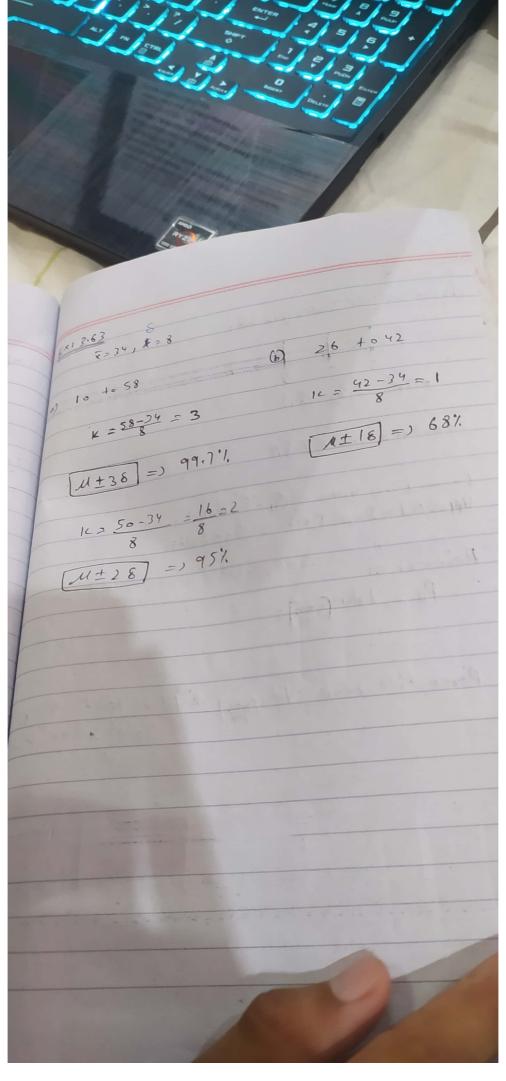




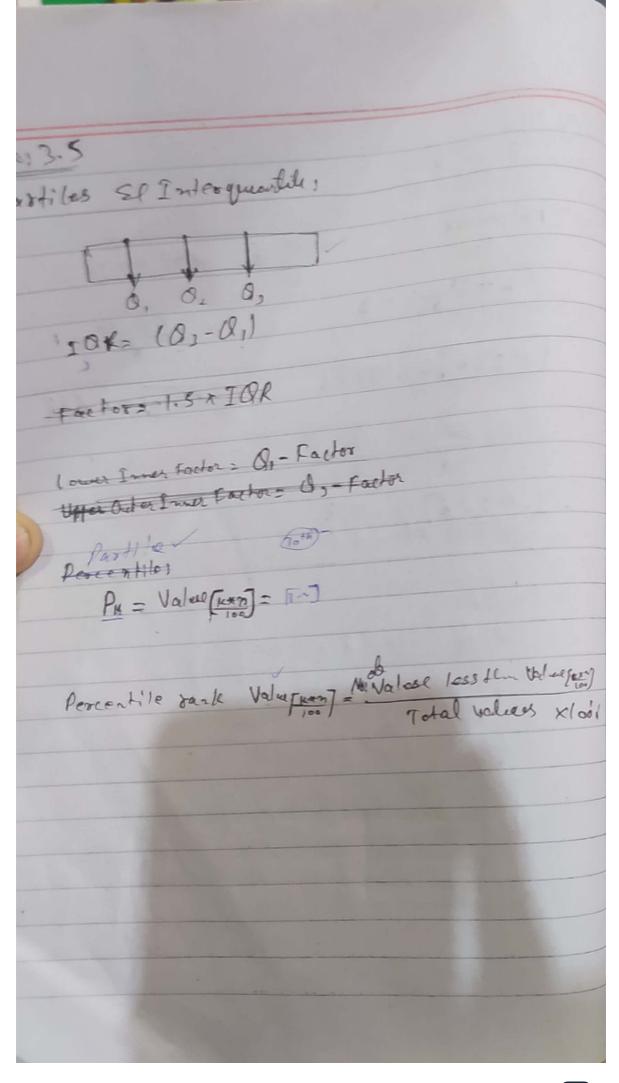




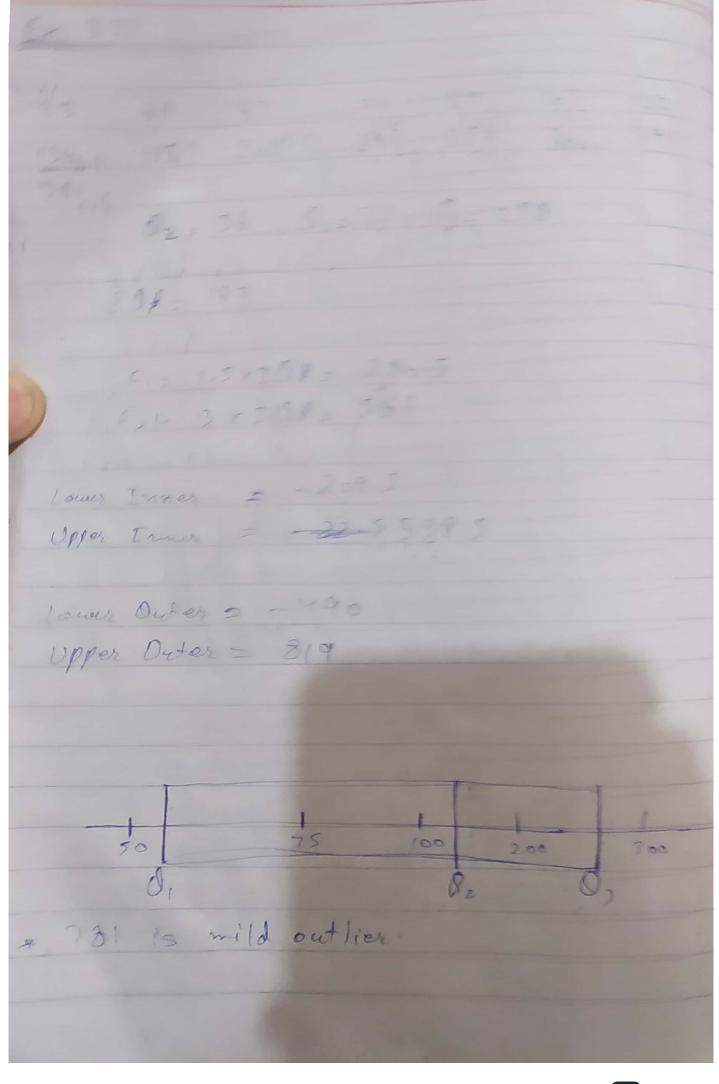


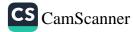






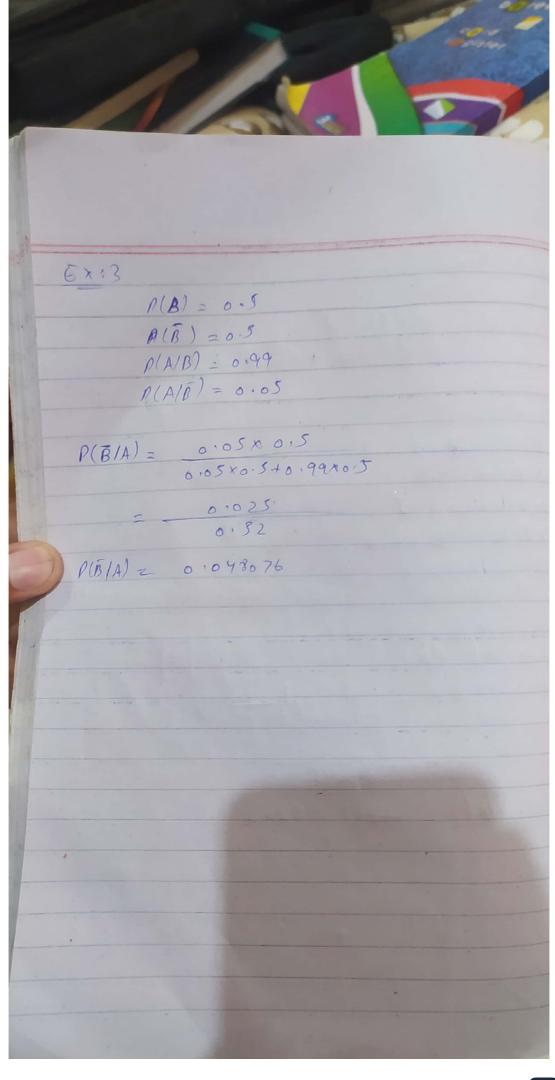
fx13.69 18-71 72 73 \$ 68 69.69 71 72 73 74 75 76 77 78 79 on a = 73 (35M3) = 4 SS cl, = 69 $Q_3 = 76.5$ 1) Pass = Value (455)= Value (5) = 71. of Perentile Koul = 4 x 100 = 30.7%. Box El Whisker 1-Q, Q, O, # 1.5 × 9 QR = FIV 3x IQL = F2lower Truet :- = Q, - F, Uffor Inner = Q3+F1 Lour Outer = Q, - F2 Uffor France = Qy+1=2



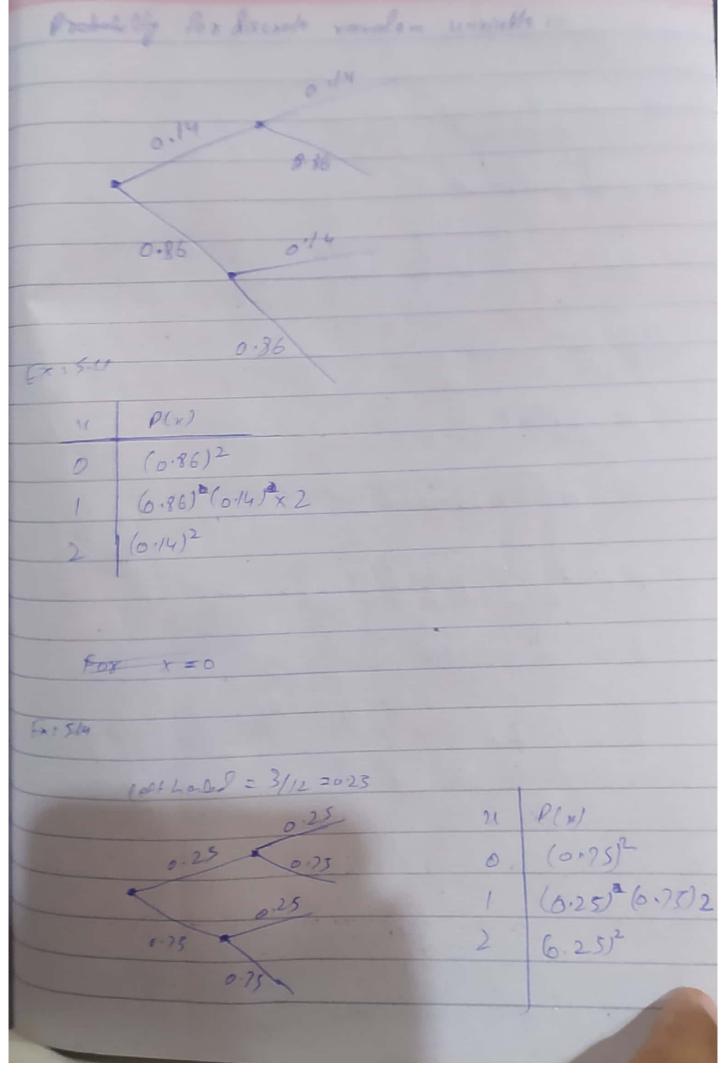


Bayes Theosen, P(B(A) = P(A|B) . P(B) + P(A|B). P(B) F1104 p(cm) = and oil P(NES = 0.9 p (dielson) = 0.05 pldielworse = 0.005 (P(smolDie) = 2 +(520/010) - 10:05 x 0:1 X0.1 +0.0/5x0.9 P(snol Me) = 0:05 x 0.1 0.05x0.1 +0.005x0.91 01005 0.0095 P(520/Die) = 0-263 0-5263



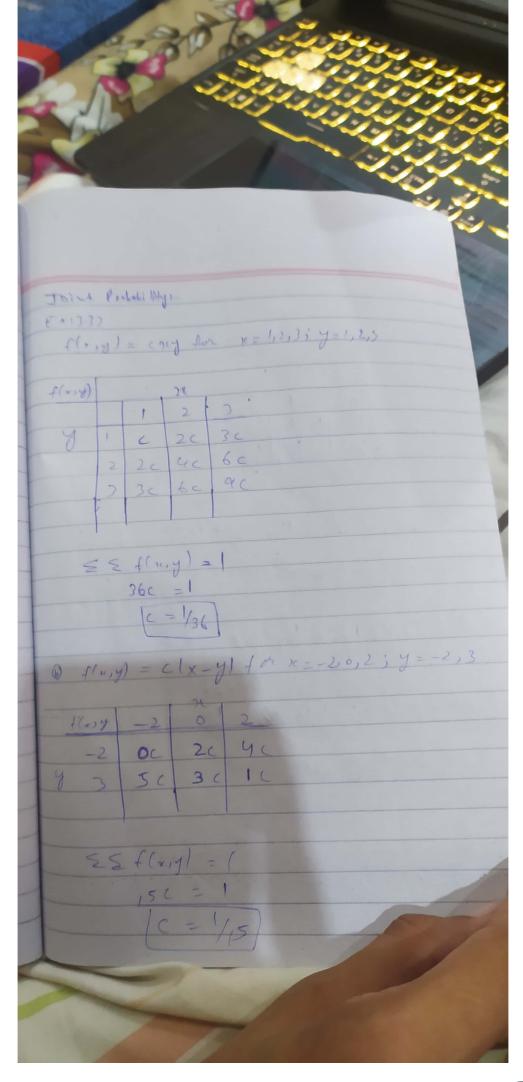






2002 El 2919601 MI = In Pla) S= NEX.PRIT UZ Cx15-21 n=2.561 S= d 8.3076-(2.561)2 2 8-3076 - 6-5597 8 = 2 1-749979 8 = 1.322







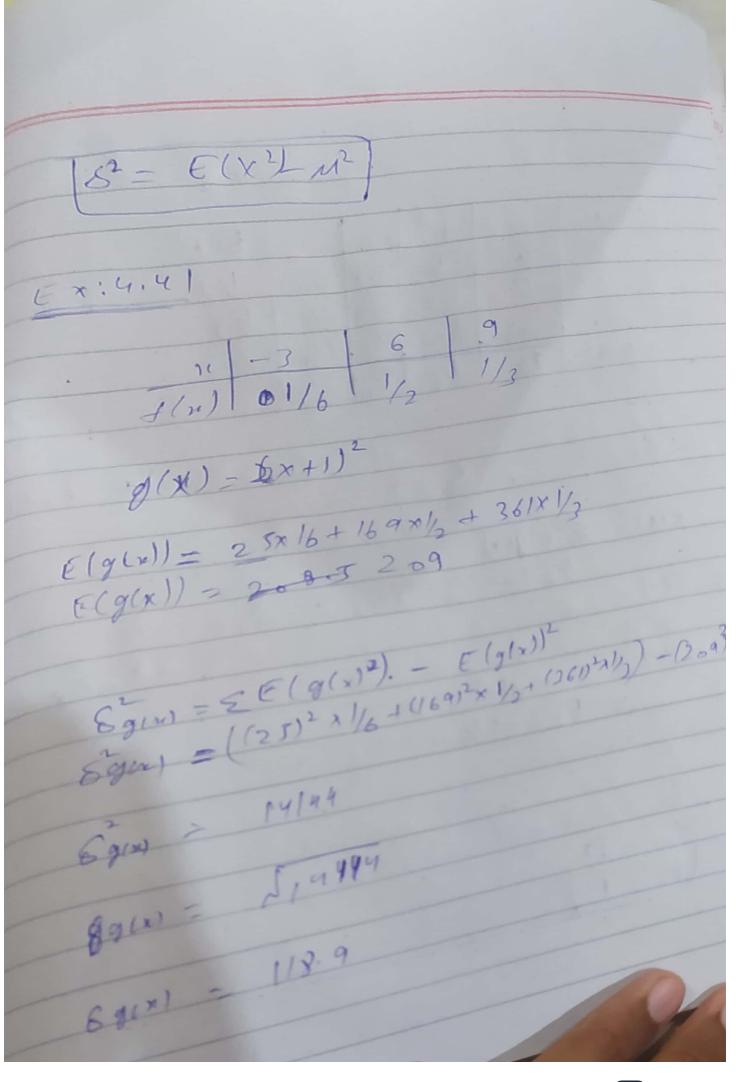
Ex 13.38 f(x,y) = x+y, , for n=0, 1,2, 1, y=0,1,2 Elusy) o 1 1/30 4/5 1/10 2 1/15 1/10 12/15 1/6 a) P(x <2, y=1) = 1/30+1/15+1/10 = 0.2 i) P(X)2, Y(1) = 1/10+3/15 = 0-2333 c) P(x>x) = 1+1/15+1/10+1/10+2/15+1/6 - 0.6

11 P(X14) 4) = 276 + 2/15 = 012667 zorage, zapiles, zhos 1(1,4)= C11, 5C4 - C47-X 1 1/35 9/35 9/35 1/35 2 3/70 9/70 3/70 0 b) P(x+y < 2) = 0+ 3/10+9/10+1/3+9/35-13/10 = 0.5

Maginal protribution. 8 3 6.2 0.3 0.5 3 0.1 0.15 0.25 9(2) 0.4/0.6] Mean Il Vorunte f(n,y) | 1 | 2 | 3 | 4hd 2 0.1 0.35 6.63 0.5 3 0.63 0.1 0.2 6.33 n(g) 0.23 0.5 0.29 Mx = EE Enight Up = 1x0.17 +2x0.5 +3x0.33 Mx = 2.16

My = 2.04 11/0.23+2x0.5+3x0.27 Ex 14.17 $\frac{3(1-3)}{f(20)} = \frac{6}{16} = \frac{9}{12}$ $\frac{1}{16} = \frac{1}{12} = \frac$ g(u) 25 169 361 Mgx = E g(a) f(a) = 25x/2+ 169x1/2+1/3x361 Mg(x) = 209

| $\frac{f(x_1,y)}{2} = \frac{y}{4} + \frac{h(y)}{4}$ $\frac{g(x_1,y)}{3} = \frac{0.2}{0.15} = \frac{0.25}{0.25}$ $\frac{g(x_1)}{5} = \frac{0.1}{0.15} = \frac{0.25}{0.25}$ $\frac{g(x_1,y)}{5} = \frac{x}{2} = \frac{y}{2} = y$ |
|--|
| b) Mx, dly |
| |
| $M_{V} = 3$ |



| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
|--|
| 8x = ? , 8y = ? E(x) = 2 x.4(x) = 1/3 + 2x 3/10 + 3x2/5 . $8xy = 8xy =$ |
| $\frac{E(x^{2})}{2} = \frac{1}{15} + \frac{1}{4} \times \frac{3}{10} + \frac{1}{4} \times \frac{215}{10}$ $\frac{2}{8x} = \frac{5}{4} = \frac{1}{10} = \frac{1}$ |
| $\frac{8}{8} \times 2 \times 1$ $\frac{8}{8} \times 2 \times 1$ |

