

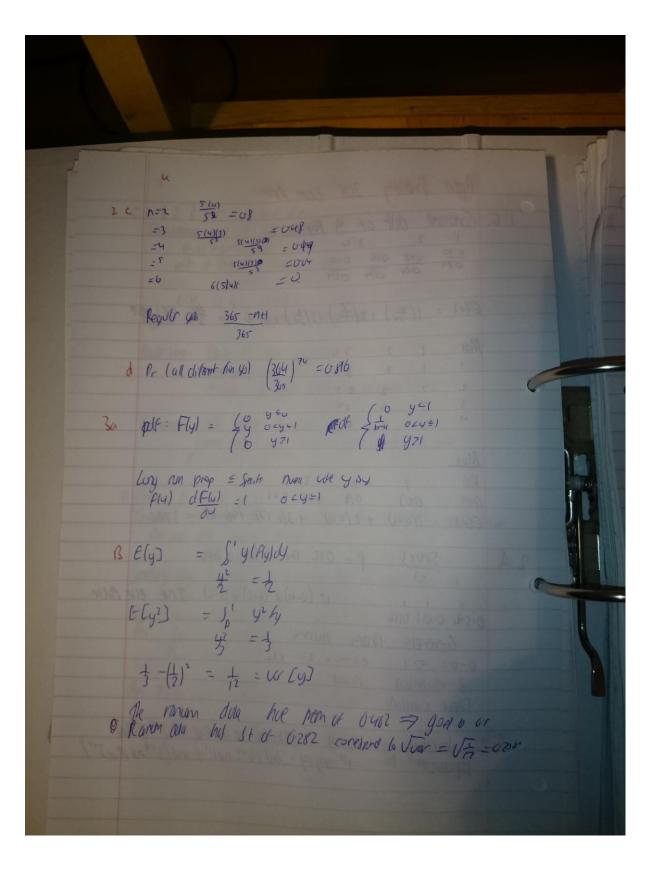
Applied Probably 2011 tran Pare 1 6. Conditual dist of y for x=3.

1 2 3 4

0.10 008 006 000

029 029 029 029 E(x) = 1(1/24) + 2(2/4) + 3(2/4) + 4(2/4) = 4/4 × 2007. Max 1 2 34 Max Ach 003 0-16 037 0.46 E(4) = ((0.03) + 2 (0.16) + 3 (0.37) + 4 (0.44) = 3.22 $\frac{5x4x3}{5^3}$ $\rho = 0.52$ that do shee a balone 0.594 0.051 0156 if (a=b) or (b=c) or (c=a) The elle Palle Generale man numb 0-0-2 71 027042 eta 3 numbers mad Check Condun B No birthday in cumon described in least of 1th 2nd 3rd of

Equivoint to 1th = ony by And (2nd not 1th) and (3rd not 1th 2nd)



Appled Pub 1 2011 can Pere 3C ECX3 = E(x3 = 13 E[x2] = E[x"] = b' x'dyldy = f 1 - (1)2 - 4/47 - wat $G(x) = P(x c x) = P(y^2 \pm x) = P(y \pm \sqrt{x}) = \sqrt{x}.$ $G(v^2) = P(y \pm \sqrt{x}) = \sqrt{v} = v^2 =$ $G(x) = \sqrt{x}$ $g(x) = \frac{1}{2\sqrt{x}}$ Pout Mount tenus longed by Mary V Xn: n (X1+1/2+. Xn) E[Xn] = 1 (n/4) = 1= experted add at any if the X vanish Var [xn] = 1 [nor] = 1 or = 1 wan of my A xw.

