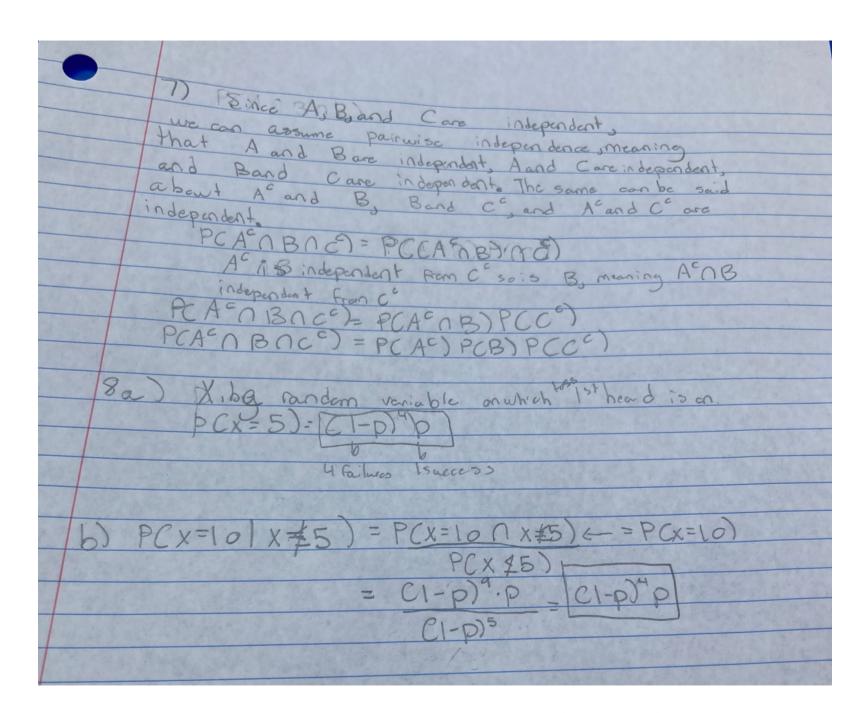


3(a) P(good of p) pure chapter) = p(pur chapter) quid p) p(quid op) b) 1-0.98 = 0 marles - Diliptichips soldwill be bad 4 a) PCpostine)=,99(.05)+,01(.8) b) P(has dismentests positive) = 0.01.2. 0.002 c) PCharling 1 negative tost)= . 99(.95)=[0.9405] d) p Chardiere I lest position) = p C disour 1 tests positive) policis position = .8x.01 - 10.139 . MG05) +.01(.8) e) tes, as probabilities apply asym population tendo toinfinity. 5 a) PCA:)=1-PCA:) > face is nevertalled b) PCA: UAS), where i +J, so looking for a faces instead Find PC(A: UA) = PCreither i or J are rolled?

PCA: UAJ = 1 - (1-p:-p) PJ = P i face is shown (6a) p (8here w/at/cast 1)= 1-p (364) n-1 b)  $\frac{1}{2} = 1 - \left(\frac{364}{365}\right)^{n-1}$   $\log \left(\frac{1}{2} = \frac{364}{365}\right)^{n-1}$   $\log \left(\frac{1}{2} = \frac{364}{365}\right)^{n-1}$ (2) birthday problemis any2 students sharing, this quis you share Ill somethe else



Scanned with CamScanner