EXAM 2 - 5 OLUTIONS

P(at least 9 are still operating after 100 days)
= P(9 or 10 are operating) = (")(.818)"(.182) +(10)(,818)(0,18) = .298+.134 = .432 50: E(pay) = 1000(.432) + 300(1-,432) = (5602.40) 8) Pla"6" comes up for He 3 Ptime on the 13 toss) = P/2 6's in 12 tosses) Pla" b" on He 13th toss = (12)(6)(3) · 6 = (12)(6)(5) = (66)(,0046)(,1615). = (.049