La. Planter Carlis 1. C. y L. I. Idepartured exce MELLER TESTED 1- 75.3 P(Ostare) Test) ((Failure | Test 2)) = P(Pailure | Test)) (Failure) Test ?) (= 14.3 = 12 = 12% folk and or live to a required CON fail both teels *** = ** - * = .4 - ,2 = .2 C. P(Pass toot 2) Pass toot 1) = P(Pass both 1 Pass toot 1) = 18/6 - 88V P(Pass test 1) Pass to:12) = P(Pass 6. + h) Pass test 2) = 3/5 Zia, Fieles unbound; 1/3. 7/4 1 7/3. 1/4 = 1/4 + 1/2 = 1/4 = 1/ something shift of state b. Plansterfick lack(11) = 1/3/19 - 1/3 V3= P(susseq tible) 34=183 sthat susreptible 1/2 = 1 (gots (10) c. The petalohorist charge for Fred.

3, m. 1 (3) = 50 /80 = 50 /80 = 50 /80 = 50 /4 = 50 /4 = 50 /80 /51 = 50 /4 = 50 /4 = 50 /80 /51 = 50 /4 = 50 6. (8. 4. 76) 11 - Torradion Minimally History Dec 1 - 198 - Torradion dense gradententen die the Heritage of drawing the in is lower. lly ansier in buill belongs. Than 0.244 Sincere are adding red bills when we draw them, the probability oddening the mis higher 4 o F. (x) = [\$ (x) dx = [1 e 2 dx = -e 2 - [- (-e 2)] So \$ (A) = \$ 1 - 6 hx () EXECT () b. A=2 - T, (x) = { 1 - e 2x O = x < m $f(X>5/X>2) = \frac{f'(X>5)}{f'(X>3)} = \frac{1 - f(X>5)}{1 - f(X>5)} \sqrt{1 - f(x=1)} = \frac{1}{1 - f(X>5)}$ C. A-Z-Foris (1-et Ofgen P(X=21x+5) = P(X5) 1-e-4 Y (X=51 1-8