Still no Peters fx | H (x/ho) = 2 exp (-x/2), X 20 We want to test hypotheses on two independent samples χ_1 and χ_2 Observe X = [X1,X2] = exp(-x) = + exp(-x) = approx 25 a) wint conditional pdf of both observations conditional plf fx (x) = E fxIH (x lhe) Px if x < approx 2,5. ho = frita (elha) · PI + frita (elhi) · PZ 70,5 if x>4psox 2.5: h! Where X=[x1,x2] b) Stetch 20 plan 0 35 7,5 12,5 17,5 if unequal probality the joint pot P(H=ho) & P(H=hi) Depends on What Pris as it would volul the (anditional polts differently (manging maxrule and joint paf d) John P What is the decision region with another hypothesis: fxiH(xlh)=8exp(-8), X>0 ho if x<~7.5 hi if 2.5< x< 6
hz if x>6