20) We was stabt by province the contain positive, and statement be comes: *F X > 8 = ans X < 12 ther x2 - 20 x + 9 8 60 lets look at the first case? 17 X < 12: x2 - 20 x + 96 < 122 - 29 12 + 96 x2 - 20 x + 9 6 < 144 - 24, + 96 x2 - 20x + 96 < 0 .: When x -s <12 the statement holds 12 x 3 8 : Empirem upper bound x2-20x+21 7 82 - 21.8 + 966 the x2-20x+a6 = 64-160+96 x2 - 20x + 463 0 .. every value X18.801 8 Will be opened then o, in when x78 the State ment holds .: Since the concension is tome in both cases the Contan positive is tome and Since the contempositive is tone so is the opinion statement b) if x 4 8 06 x 2 12 than x2 -20x + a6 20 C) it is tone!