Modelles Julier MATH-116 - Lecture 4- 191/169/19 Another technique out checking Recull : 7: x -> (#x) f(x) Not Invertible over (-10,10) f': f(x) -> []->X| invertible ar (-00,00) one-one wherebue 3 Seware: f(f-1(x1) = # Finish# f(f(x)) = 1 For example, f(x) = => f(x) = x $f(f^{-1}(x)) = \frac{1}{2} \Rightarrow P_{f(f^{-1}(x))} \Rightarrow (-\infty, \infty) u(0, \infty)$ Graphing Invest: Example: for wese of -> f(x) = 4x-1 If (9,6) 13 a point on the graph of flx), THEN (6, a) is a point con f-(x). let y = fix) $= y = \frac{4x-1}{2x+2}$ 2xy + 3y = 4x - 1x (2y - 4) = $X = \frac{3y+1}{9-2y}$ 1=>f-(x) = 3x+1