Part 31 Gradient Descent Marval Calculation Linear Equation = mx +b

initially m = -1

linitially m = -1

Criven point; (1,3) and (3,6) Linear Equation MSE: 5 (mb) = 1 5 (yi-4) 22 Conadients dJ = -2 (4i-4i) xi dis = -2 2 (41-41) dib where Jamath (xi, yi) = (1,3) (x2,142) = (3,6) Prodictions (30)? 12= (-1) (3)+(4) 41 - (-1) (1) +1 Camputo Gradients (1,3) (3,6) dm 2 (3-0)(1)+(6-(-2)(3)] Mnew = mold - 2 el] - - 1 3 + 24 === (3-6)+(6-(-2)) = -1 (3+8)

