$\sum_{X \in \mathcal{X}} e^{X} e^{X} = \sum_{X \in \mathcal{X}} e^{X} e^{X}$ Iven: linear equation: y = mx +6 m 2 1.7 b 2 2.1 1 & = 0.1  $(1,3) \times (3,6)$   $(2,3) \times (3,6)$  (3,6) (3,6gradiant formula. d = -2 E (y) 85 yil 21 dJ = -2 € (yi-ŷi)d+,88 = mnew = mold - 2 (45) 03+,88 = (3) 9 bnew z bord - 2 (47) 28.21 = 1) Predictions (gi), (1,3) (3,6)

42 mx+b

$$\int_{1}^{1} = 4.7 (1) + 2.1 , \quad \int_{2}^{1} = 3.8$$

$$\int_{2}^{1} = -1.7 (3) + 2.1 , \quad \int_{2}^{1} = 7.2$$

$$\int_{2}^{1} = -1.7 (3) + 2.1 , \quad \int_{2}^{1} = 7.2$$

$$\int_{2}^{1} = -1.7 (3) + 2.1 , \quad \int_{2}^{1} = 7.2$$

$$\int_{2}^{1} = -1.7 (3) + 2.1 , \quad \int_{2}^{1} = 7.2$$

$$\int_{2}^{1} = -1.2 (3) + (-3.6) + (-$$

3. Up dating parameters, where my = 1.7

bold = 2.1

mnew = mold - d 25

dm

dy = 0.1

briew = bold - d 21

dm

dy = 4.4

dm

dy = 2

dm

dy = 2

do = 1.7

discovered = 1.7

-0.1 (4.4)

= 1.26

bnew = 2.1 - 0.1 (2)

Mnew = 1.26 , bnew = 1.9

= 1.9