Thur	
Ngày	

No.

Question 4:
Linear regression model.
$G = \theta_1 x + \theta_0$
Loss function: L= 1 5 (g:-y:)
In a y of g-y
1 35 720 675 -45
2 28 650 640 -10
3 45 750 725 -25.
4. 31. 600.655. 155.
52 780 760 -20
1. 29 630 645. +15
2 42 710 710 0
1 33 640 665 25
24 DZ + 1810C->CJ 102 - 002
$L = \frac{1}{2.8} \sum_{i=1}^{8} (i\hat{j}_{i} - ij_{i})^{2} = 439,0625$
office 1 iteration, parameter update:
$\Theta_{i} = \Theta_{i} - \eta \frac{dL}{d\theta_{i}} = \Theta_{i} - \eta \frac{dL}{d\theta_{i}} \frac{d\hat{y}}{d\theta_{i}} = \Theta_{i} - \eta \left( \frac{1}{m} \sum_{i=1}^{m} (\hat{y}_{i} - y_{i}) \cdot x_{i} \right)$
= 5 - 0.01 [1 5 (Ji-yi).xi)] = 131,875 6,31875
6' - 0 - 1 de - 0 - 1 de de - 0 - 1 [ 1 = (4 - 4)]
= 500 - 0,01 [ 1 \ ( 1) - y, ) ] = 500, 00625
Then to inoreases slightly, and to increases significently