the possible equation is 
$$h(x) = \theta_1 x + \theta_0$$

$$J(\theta_0,\theta_1) = \sum_{i=1}^{n} \left( h(x^i) - y^{(n)} \right)^2$$

 $= \left(h(\chi^{(1)}) - y^{(1)}\right)^{2} + \left(h(\chi^{(2)}) - y^{(2)}\right)^{2} + \left(h(\chi^{(3)}) - y^{(3)}\right)^{2}$ 

 $+\left(h(\chi)-y^{(4)}\right)^{2}=\left(01+00-1\right)+\left(201+00-2\right)^{2}$ 

 $=390^{2}+40^{2}+220001-4601-1400$ 

 $+(301+00-1)^{2}+(501+00-3)^{2}$ 

 $\frac{3J}{30^{\circ}} = 800 + 2201 - 14$ 

 $\frac{3J}{\lambda A_1} = 7801 + 2200 - 46$ 

Base on the 100 time gradient descent , the initial point is (0,0) and dis 0.02 Oo seems to be converging 0.56 OI seems to be convergingy 0,43 So the formula for the line that fit to the given points will have to be h(x) =0.43 x + 0.56