cost function for univariable linear regression

Problem 1

given the following dataset:

x	y
1	1
2	2
3	1
5	3

a) find the equation of the line that fits to these points best. (in other words, assuming your line is $h(x) = \theta_1 x + \theta_0$, find a pair of θ_0 and θ_1 values that makes $h(x)$ the best fit to the given points).

b) what is $J(\theta_0 = 0, \quad \theta_1 = 0)$?
