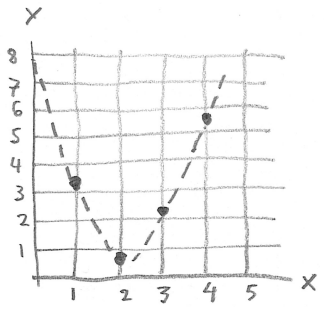
HW 1



X	Y
1	3.1
2	0.9
3	2.2
4	5.7

x: constant, y: observations, equal precision, uncorrelated

model: $y = a_0 + a_1 x + a_2 x^2$

(a) fit the data to the model by LS, using indirect observations

(b) fit the data to the model by LS, using observations only

in both cases, solve using only scalar algebra (except for solving the final normal equations)

for case (b) show how you justify the condition equation that you use.