10(x): Do - D1 X1

80401K1 4 0242 pa (x) = pegriper

Do: intercept 6005

M: humber of training example

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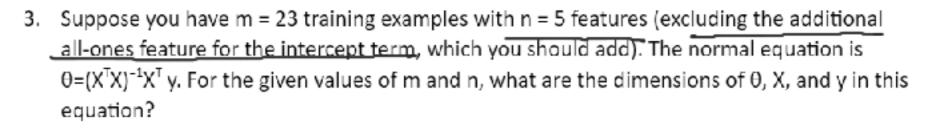
70~80%: training dark 30~2.10 = test data

it the number of samples n=100, and the training us test raiso :0.8:0-3

then m=80

ho (x) = 00 + 81 x1 = -1 + 0.5 (3) ho (3) = -1 + 0.5 (3)

Serzyrve Lou changes = High changes high variance Aigh robustness hay hoics jus- nice Low biese Hot senstive - Train acc ? Test acc ? Predictions even on training date. Train are & overfitting? Under Fitting? (g.) How do we know it our Checa What happens 1 to the accuracy? as undefitting ( Accuracy (CClassificon) RZ , RMSG CRegrerson p) overtysma 1e54 11 raining Which is better 40% and only ? model B | 90% 8.6%



- 1. X is  $23 \times 6$ , y is  $23 \times 6$ ,  $\theta$  is  $6 \times 6$
- 2. X is  $23 \times 5$ , y is  $23 \times 1$ ,  $\theta$  is  $5 \times 1$
- 3. X is  $23 \times 6$ , y is  $23 \times 1$ ,  $\theta$  is  $6 \times 1$
- 4. X is  $23 \times 6$ , y is  $23 \times 1$ ,  $\theta$  is  $5 \times 5$

Ans: 3

