10) Given data,

feature	label	
1	0	Training dataset
2	0	
3	x	
6	x	
6	x	Testing dataset
7	0	
10	0	
11	0	

finding distance from each data point in testing dataset to all in training dataset

Testing Data	1(0)	2(0)	3(x)	6(x)	7(0)	10(0)	11(0)
6	5	4	3	0			
7	6	5	4	1			
10	9	8	7	4			
11	10	9	8	5			

Assuming '0' as negatives & 'x' as positives

	True label	predicted label	
	6	x	x	TP
		0	x	FP
Test data	7	0	x	FP
	10		x	FP
		0		
	11			

GSV

Confusion matrix is

$$\begin{bmatrix} TN & FP \\ FN & TP \end{bmatrix} = \begin{bmatrix} 0 & 3 \\ 0 & 1 \end{bmatrix}$$

accuracy = $(TP + TN)/(P + N) = 1/4 = 0.5$

Sensitivity = $TP/P = 1/1 = 1$

Specificity = $TN/N = 0/3 = 0$