Question 5: Consider a trained linear classifier represented by the equations Eq.1 and Eq.2. Given the following test data, do the following, [10 Marks]

$$z = 2x_1 + x_2 - 4$$
....(Eq.1)

$$y = \begin{cases} 1 & if \ z \ge 1 \\ 0 & if \ z < 1 \end{cases}$$
 (Eq.2)

- a) Evaluate labels for all the instances given in test data.
- b) Calculate accuracy and precision.

Test data:

Sr. No.	x1	x^2	Labels
1	1	2	A
2	2	6	В
3	1	3	A
4	3	4	В

Time: 20 Min