Numerical based on ML Part B

Q1

A data set is given, in which data belongs to one of the classes: either MINORITY or MAJORITY.

A model makes predictions and predicts 120 examples as belonging to the minority class, 90 of which are correct, and 30 of which are incorrect. Calculate Precision

- Precision = TruePositives / (TruePositives + FalsePositives)
- Precision = 90 / (90 + 30)
- Precision = 90 / 120
- Precision = 0.75

Q2

A model makes predictions and predicts 90 of the positive class predictions correctly and 10 incorrectly. Calculate the recall for this model.

- Recall = TruePositives / (TruePositives + FalseNegatives)
- Recall = 90 / (90 + 10)
- Recall = 90 / 100
- Recall = 0.9