1.

A) Accuracy: (tp + tn)/(actual + predicted) = (0 + 3)/(3+4+3+0) = 0.3

B) confusion matrix

[3, 4]

[2, 0]

C) Precision: tp/(tp + fp) = 0/(0 + 4) = 0

Recall: tp/(tp + fn) = 0/(0 + 3) = 0

F1 score: tp/ (tp + ((fn + fp) / 2)) = 0/(0 + (3 + 4)/2)) = 0

D) TNR: tn/(tn + fp) = 3/(3+4) = 0.429

FPR: 1 – TNR = 1 – 0.429 = 0.571

FNR: 1 – TPR = 1

TPR: tp/(tp + fn) = 0/(0 + 2) = 0