**Part 1**

1.

For example,

2.

False.

When number of features are greater than samples, the data is linearly separable, and we do not have to let it go to higher detentions. Thus, Gaussian Kernel is not better than linear kernel.

**Part 2**

Precision: 0.914821

Recall: 0.913265

F-Measure: 0.914043

Accuracy: 0.934116

**Part 3**

Accuracy: 0.906780