1. What function randomly splits a data set into training and testing subsets? 1 point
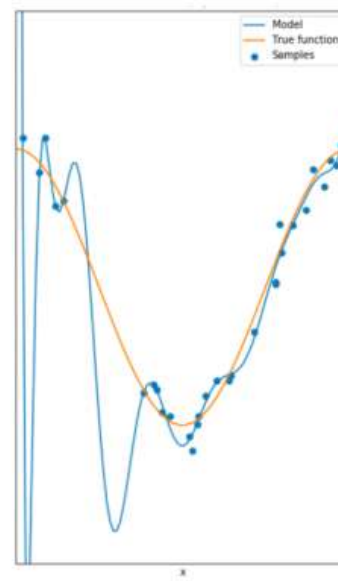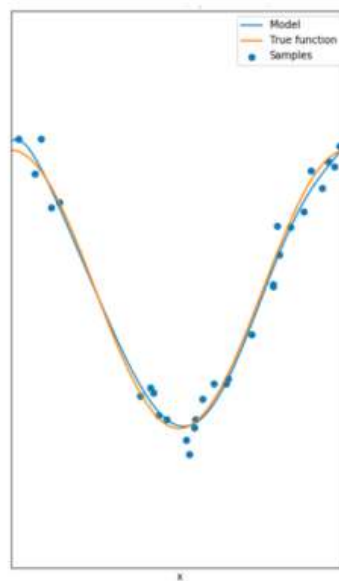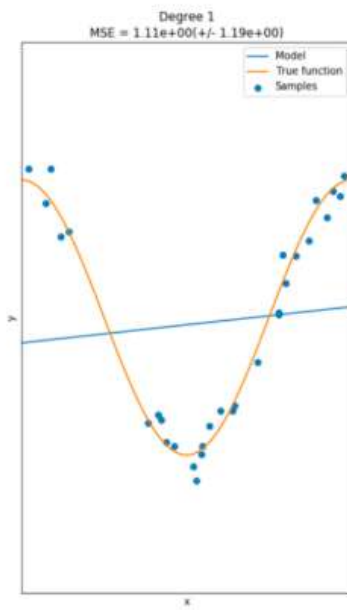
- ◉ `train_test_split()`
- ◯ `cross_val_predict()`
- ◯ `train_test(split=x)`
- ◯ `cross_val_score()`

2. Consider the model in blue and the samples in blue dots. Which model has the best fit?

Degree 1
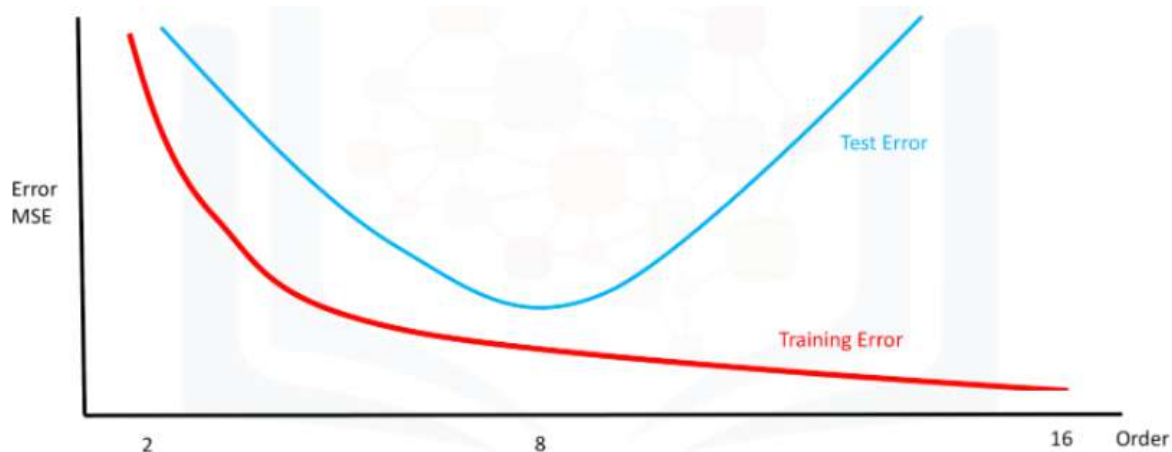MSE = 1.11e+00(+/- 1.19e+00)

a   b   c

○ a

● b

○ c

3. In the following plot, the vertical axis shows the mean square error, and the horizontal axis represents the order of the polynomial. The red line represents the training error, and the blue line is the test error. Which order polynomial does this plot indicate you should use for your model?
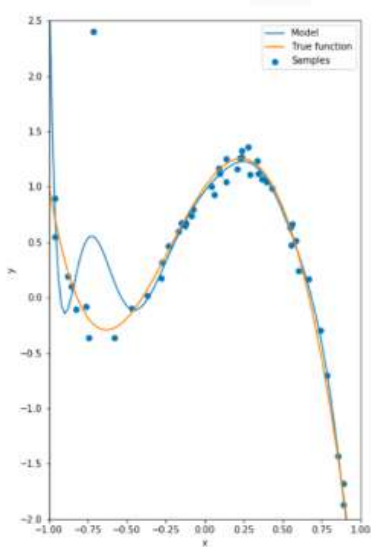
○ 2

◉ 8
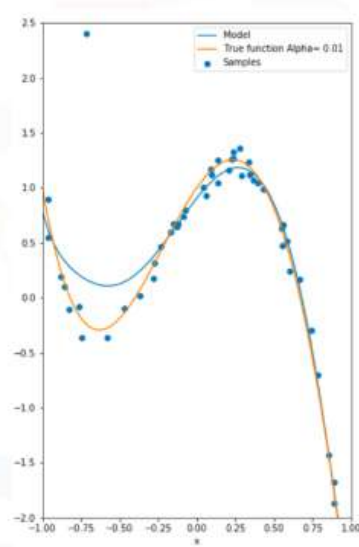
○ 16

4. The following models were all trained on the same data. Select the model with the highest alpha value.
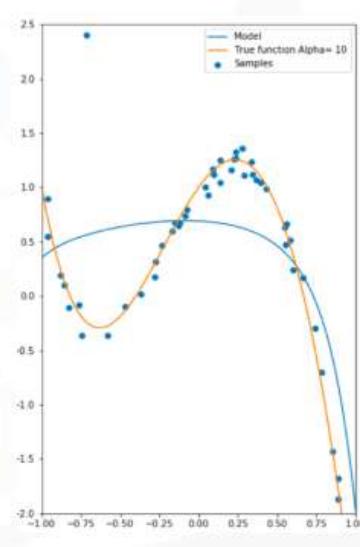
1 point

a

b

c

○ a

○ b

◉ c

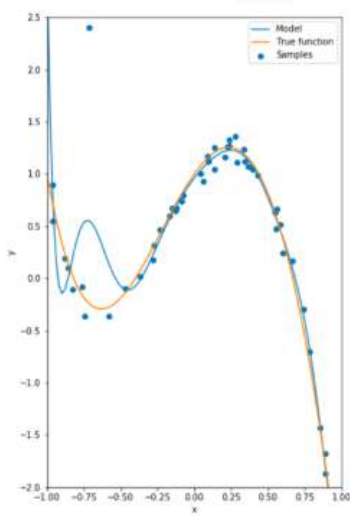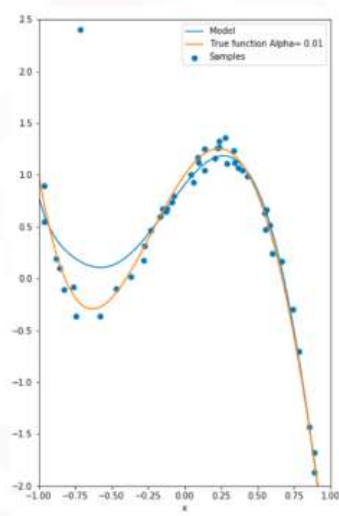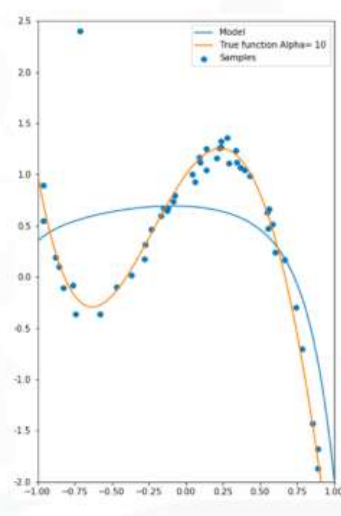**5.** The following models were all trained on the same data. Select the model with the lowest value for alpha.

1 point

a   b   c

⦿ a

◯ b

◯ c