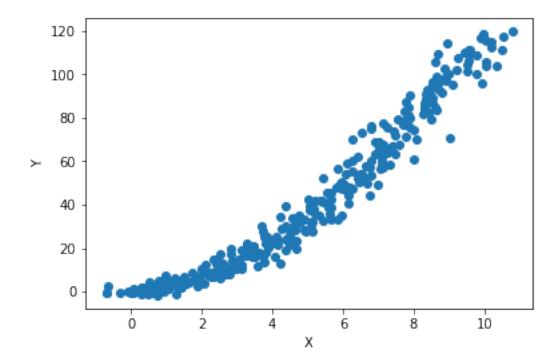
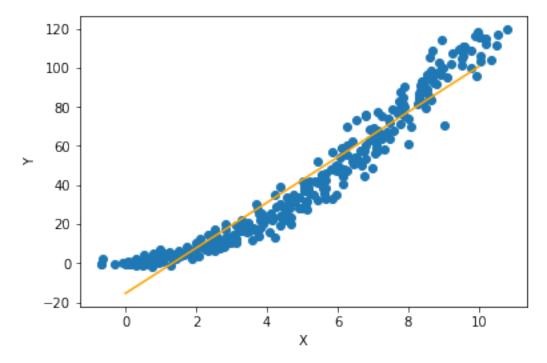
Problem1

May 14, 2018

```
In [1]: import numpy as np
        import matplotlib.pyplot as plt
        X_and_Y = np.load('./q1-least-square.npy')
        X = X_and_Y[:, 0] # Shape: (300,)
        Y = X_and_Y[:, 1] # Shape: (300,)
In [4]: plt.scatter(X, Y)
        plt.xlabel('X')
        plt.ylabel('Y')
        plt.show()
```





Y = -1.71 + 3.02*X + 0.87*X2

