Final Project - Monte Carlo integration

Rakshya

Reference - Professor Brant's lecture slide 17 example for Monte carlo integration

```
In [105]: N %matplotlib inline
2 import matplotlib.pyplot as plt
3 import numpy as np
4
```

Set some parameters of the integration

```
In [106]: ▶ 1 n = 10000 #number of samples for the integration
```

Making some unifromly sampled variables [-1,1]

Finding the number of samples within the function

Plotting the samples and the function

```
1.00 - 0.75 - 0.50 - 0.25 - 0.50 - 0.25 0.00 0.25 0.50 0.75 1.00
```

```
In []: 🔰 1
```