

```
x = linspace(-5,5,100)
```

```
x = 1×100  
-5.0000 -4.8990 -4.7980 -4.6970 -4.5960 -4.4949 -4.3939 -4.2929 ...
```

```
y1 = (x.^2)
```

```
y1 = 1×100  
25.0000 24.0001 23.0206 22.0615 21.1228 20.2046 19.3067 18.4292 ...
```

```
y2 = -(x.^2)
```

```
y2 = 1×100  
-25.0000 -24.0001 -23.0206 -22.0615 -21.1228 -20.2046 -19.3067 -18.4292 ...
```

```
plot(x,y1,'r')  
hold on  
plot(x,y2,'k')  
title("parabola")  
xlabel('x')
```

basically plotting a parabola

```
ylabel('y')
```

