Q 2.6.2

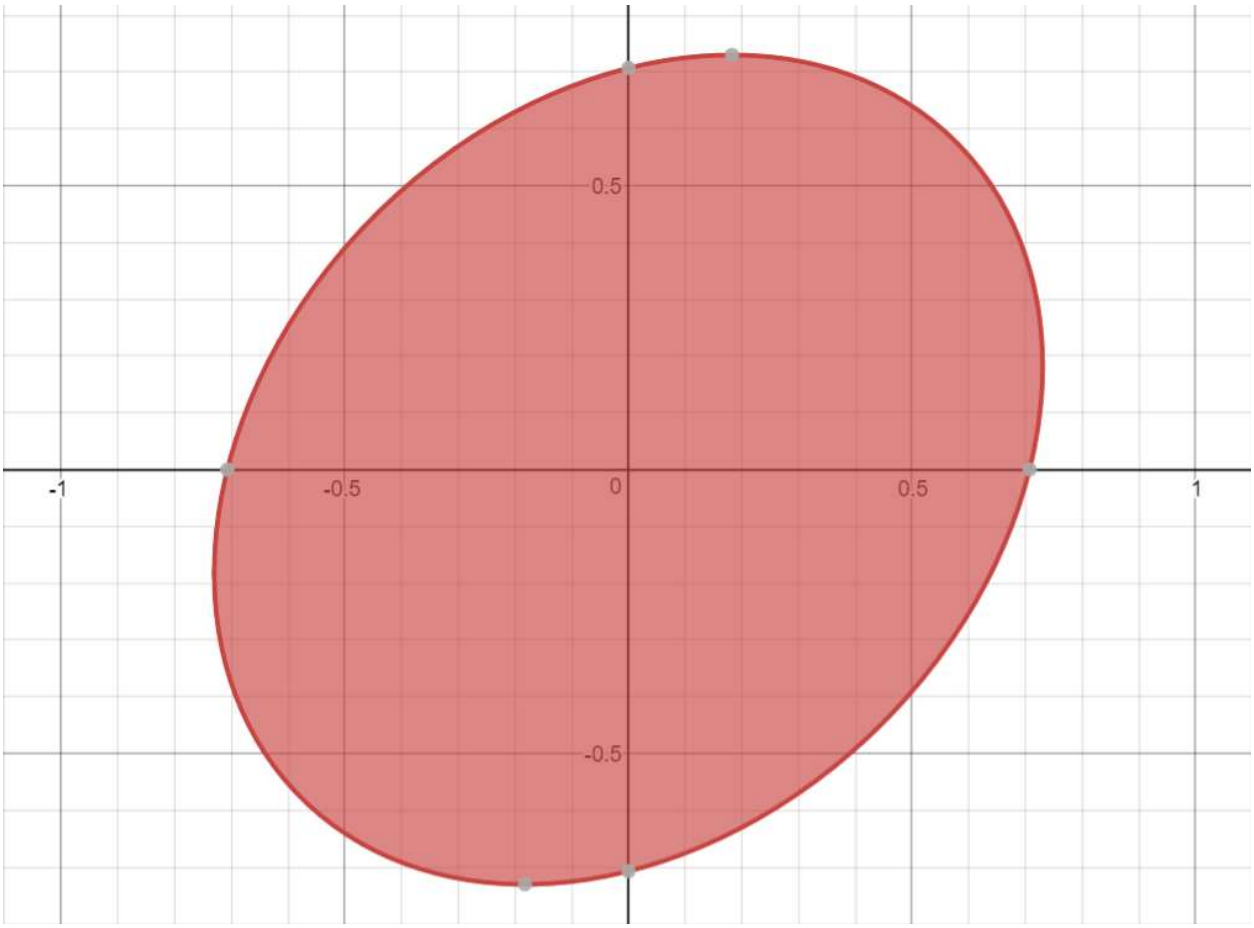

Fig 1.Plot showing the unit Ball

```
1 -    x = [-3:0.01:3];
2 -    y = [-3:0.01:3];
3
4 -    [X, Y] = meshgrid(x, y);
5
6 -    Z = (sqrt(2*X.*X - X.*Y + 2*Y.*Y) <= 1);
7
8 -    imshow(Z)
```

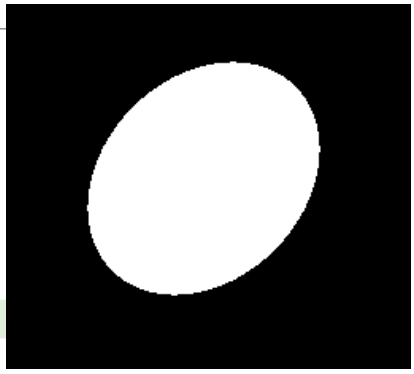

Fig 2. MATLAB Code and output of the sketch