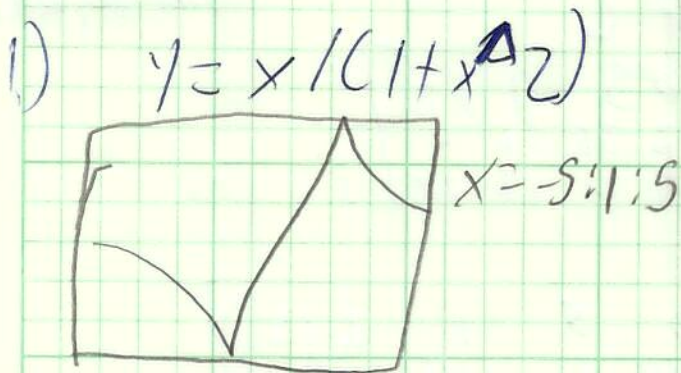
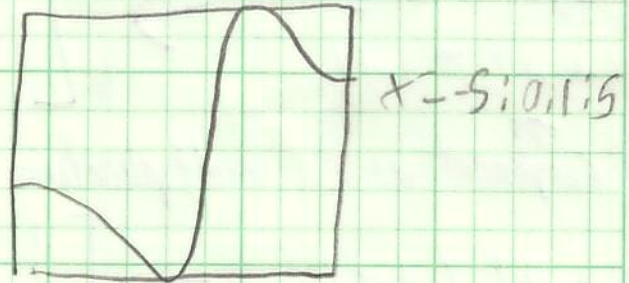


## Task E



with more step sizes,  
the graph became smoother



2.)  $\theta = 0:0.05:2\pi$   
hold on  
axis('square')

$\text{plot}(\cos(\theta), \sin(\theta))$

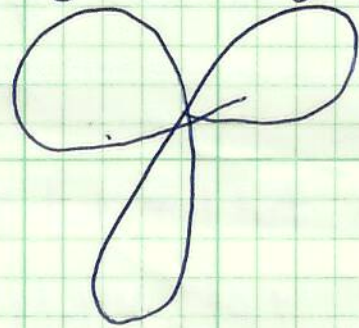
\* it generates a circle

3.)  $\theta = 0:0.1:2\pi$

$r = \sin(3\theta)$

$\text{plot}(r.*\cos(\theta), r.*\sin(\theta))$

Generates Omega Symbol



## Task F

1.) The mesh command creates a 3D mesh surface  
 $\text{mesh}(x,y,z,C)$  plots a parametric mesh based on the  
ranges of  $x, y, z$ . The color scaling depends on  $C$ .

2.)  $z = \cos(2*(x+y))$