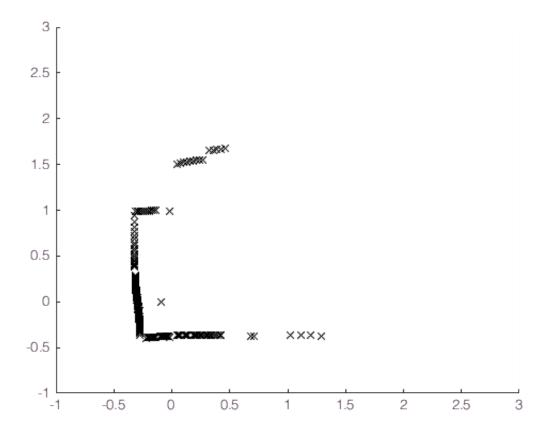
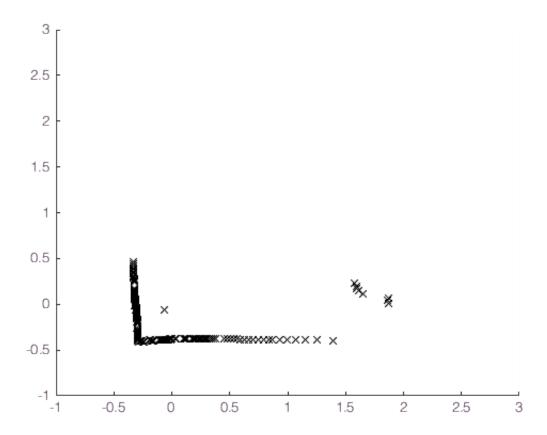
```
d = 0.0889; %m
[x1,y1] = pol2cart(deg2rad(theta_1),r_1);
x1 = x1 - d;
clf
hold on
plot(x1,y1,'kx')
axis([-1,3,-1,3])
```



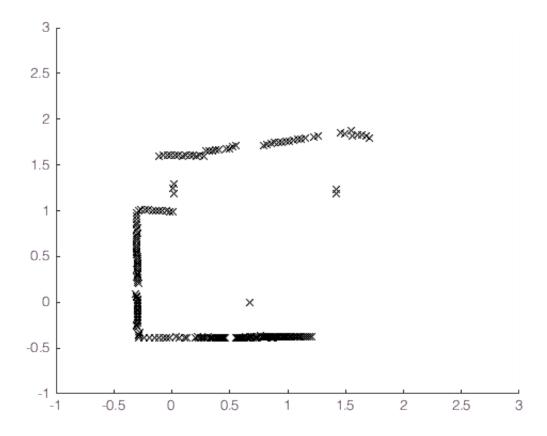
2)

```
figure
clf
[x2,y2] = pol2cart(deg2rad(theta_2),r_2);
x2 = x2 - d;
R = [cosd(45) -sind(45); sind(45) cosd(45)];
M = R*[x2';y2'];
hold on
axis([-1,3,-1,3])
plot(M(1,:),M(2,:),'kx')
```



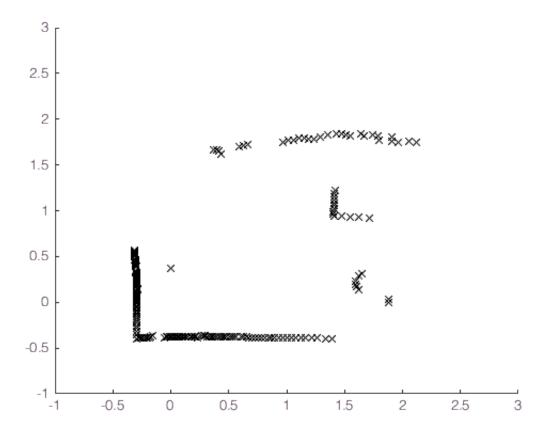
3)

```
figure
clf
[x3,y3] = pol2cart(deg2rad(theta_3),r_3);
x3 = x3 - d + 0.762;
hold on
axis([-1,3,-1,3])
plot(x3,y3,'kx')
```

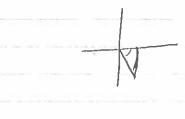


4)

```
figure
clf
[x4,y4] = pol2cart(deg2rad(theta_4),r_4);
x4 = x4 - d;
R = [cosd(90) -sind(90) 0; sind(90) cosd(90) 0.4572; 0 0 1];
M = R*[x4';y4';ones(1,length(x4))];
hold on
axis([-1,3,-1,3])
plot(M(1,:),M(2,:),'kx')
```

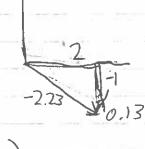


O QEA Day 6



GÎMÎ GÎZ

$$\begin{pmatrix} \frac{1}{2} & \frac{1}{2} \\ -\sqrt{8} & \frac{1}{2} \end{pmatrix} \begin{pmatrix} 2 \\ -1 \end{pmatrix} = \begin{pmatrix} 1 & -\frac{\sqrt{3}}{2} \\ -\sqrt{3} & -\frac{1}{2} \end{pmatrix} = \begin{pmatrix} 0, B \\ -2.23 \end{pmatrix}$$



$$\begin{pmatrix} \frac{1}{2} & -\frac{1}{2} \\ \frac{1}{2} & \frac{1}{2} \end{pmatrix} \begin{pmatrix} 3 \\ -2 \end{pmatrix} = \begin{pmatrix} \frac{3}{2} + \frac{1}{3} \\ \frac{3}{2} & -1 \end{pmatrix} \stackrel{\cancel{3}}{=} \begin{pmatrix} 3 \\ 1 \\ 5 \end{pmatrix}$$

3/2-2

$$\begin{bmatrix} \frac{1}{2} & \frac{7}{2} & 0 \\ -\frac{7}{2} & \frac{1}{2} & 0 \\ 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 10 & 3 \\ 0 & 1 \end{bmatrix} \begin{bmatrix} 7 \\ -1 \end{bmatrix} = \begin{bmatrix} \frac{7}{2} & \frac{7}{2} \\ \frac{7}{2} & 1 \end{bmatrix} \tilde{\mathcal{N}} \begin{pmatrix} 0.76 \\ -5.3 \end{pmatrix}$$

$$5.3 \quad 80.76$$

1)
$$(r \cos \theta)$$

 $(r \cos \theta - d)$
 $(r \cos \theta - d)$

3) (1 0
$$\times n$$
) (05 ϕ -5, $n \phi$ 0) $\int r \cos \theta - \lambda$ (5, $N \phi$) $\int x_n - \lambda \cos \theta + r(\cos \theta + e)$ (7) $\int x_n - \lambda \cos \theta + r(\cos \theta + e)$