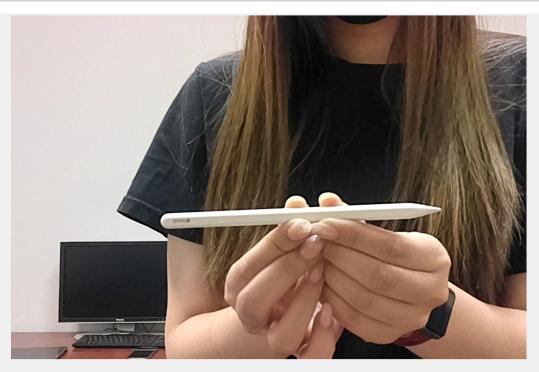
```
I = imread("./captured_images/1651007099257.jpg");
imshow(I);
% Get image coordinates
[x y] = ginput(2)
```



```
x = 2 \times 1
316
900
y = 2 \times 1
432
406
```

```
% Get focal length of OAK-D Lite from DepthAI
f = 1.6574233e+03;
% Distance between object and chessboard
z0 = 644;
% Calculate real world coordinates from image coordinates
x0 = z0 * (x(1) / f)
```

```
x0 = 122.7834
```

```
x1 = z0 * (x(2)/ f)
```

x1 = 349.6994

```
y0 = z0 * (y(1) / f)
```

y0 = 167.8557

$$y1 = z0 * (y(2) / f)$$

y1 = 157.7533

% Print out the distance of object distance = $sqrt((x1-x0)^2 + (y1 - y0)^2)$

distance = 227.1409