```matlab
I = imread('image3.jpg'); % Read the image
imshow(I); % Display the image
[x, y] = ginput(2);
```



```
z=838.2;
fy=1431.5;
fx=1428.2;
x1=z*(x(1)/fx);
x2=z*(x(2)/fx);
y1=z*(y(1)/fy);
y2=z*(y(2)/fy);
dist=sqrt((y2-y1)^2+(x2-x1)^2);
fprintf('The distance is %.02f mm\n', dist)
```

The distance is 24.87 mm