```
% demo functions 6-nov-08
% to help with homework 4
X=[100;500;300];
Y=[1000;1200;1400];
degrad=180/pi;
a=36.8/degrad;
d=447.2;

disp('distance2d function i=1,j=2');
distance2d(d,1,2,X,Y)

disp('angle2d function i=1,j=3,k=2');
angle2d(a,1,3,2,X,Y)
```
==
==

```
demo1
distance2d function i=1,j=2
ans =
  Columns 1 through 3
        -0.013595499957944         0.894427190999916         0.447213595499958
    Columns 4 through 5
        -0.894427190999916        -0.447213595499958


angle2d function i=1,j=3,k=2
ans =
  Columns 1 through 3
      -0.00121994405937109                    -0.001                    -0.001
    Columns 4 through 6
                     0.002                    -0.001                    -0.001
    Column 7
                     0.002
diary off
```