```
u=[1 2 2]
```

```
u = 1×3
     1     2     2
```

```
v=[1 2 5]
```

```
v = 1×3
     1     2     5
```

```
3*u-v
```

```
ans = 1×3
     2     4     1
```

```
theta=acos((dot(u,v))/(norm(u)*norm(v)))
```

```
theta = 0.4205
```

```
A=[1 2 3 ; 4 5 6 ; 7 8 9]
```

```
A = 3×3
     1     2     3
     4     5     6
     7     8     9
```

```
B=[7 8 9 ; 6 5 4 ; 3 2 1]
```

```
B = 3×3
     7     8     9
     6     5     4
     3     2     1
```

```
A-2*B
```

```
ans = 3×3
   -13   -14   -15
    -8    -5    -2
     1     4     7
```

```
A*B
```

```
ans = 3×3
    28    24    20
    76    69    62
   124   114   104
```

```
(transpose(A)+B)/2
```

```
ans = 3×3
     4     6     8
     4     5     6
     3     4     5
```

```
x=[1 3 2 3]
```

```
x = 1×4
     1     3     2     3
```

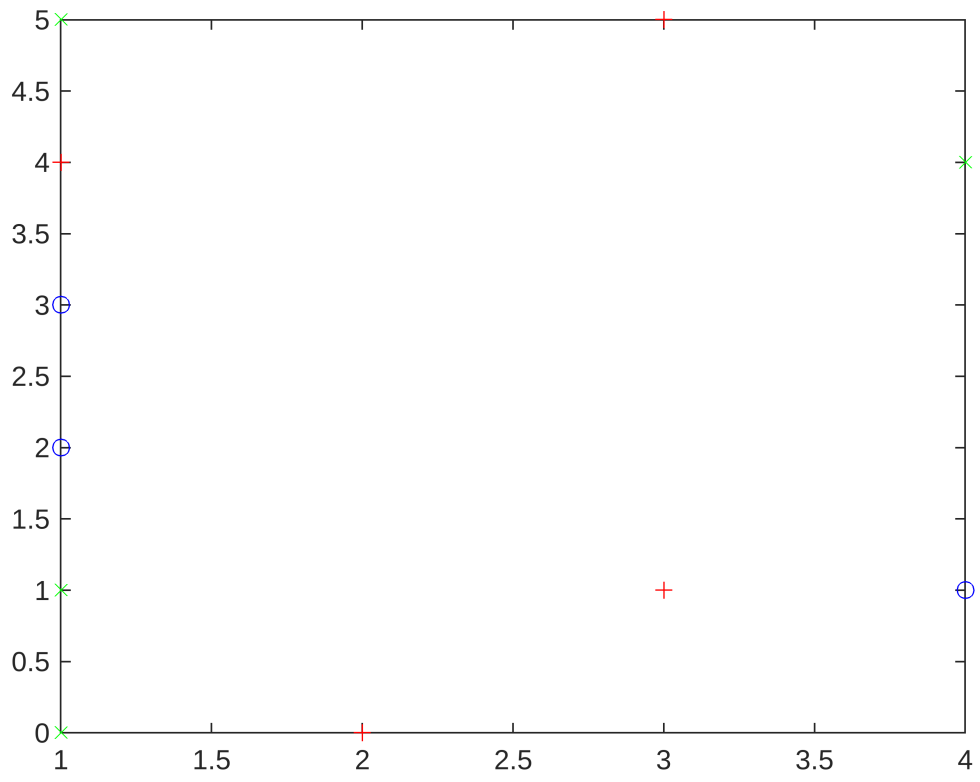
```
y=[4 1 0 5]
```

```
y = 1×4
     4     1     0     5
```

```
z=[4 1 1 1]
```

```
z = 1×4
     4     1     1     1
```

```
plot(x,y,'r +')
hold on
plot(z,x,'b o')
plot(z,y,'g x')
hold off
```




```
title('Plot 1')
xlabel('xaxis')
ylabel('yaxis')
```

```
legend('xy', 'zx', 'zy')
```