

```
>> X=[4;1;3]
```

```
X =
```

```
4  
1  
3
```

```
>> Y=[-1;2;-5]
```

```
Y =
```

```
-1  
2  
-5
```

```
>> X+Y
```

```
ans =
```

```
3  
3  
-2
```

```
>> X-Y
```

```
ans =
```

```
5  
-1  
8
```

```
>> 3X-6Y
```

```
3X-6Y
```

```
|  
Error: Unexpected MATLAB expression.
```

```
>> 3*X-6*Y
```

```
ans =
```

```
18  
-9  
39
```

```
>> A=[2 0 -1; 1 2 7; 3 -3 1]
```

```
A =
```

```
2 0 -1
1 2 7
3 -3 1
```

```
>> A*X
```

```
ans =
```

```
5
27
12
```

```
>> A*A
```

```
ans =
```

```
1 3 -3
25 -17 20
6 -9 -23
```

```
>> A^2
```

```
ans =
```

```
1 3 -3
25 -17 20
6 -9 -23
```

```
>> A/X
```

```
Error using /
Matrix dimensions must agree.
```

```
>> A\X
```

```
ans =
```

```
1.8364
0.7273
-0.3273
```

```
>>
```