

```
% gda00_06
% example of defining vectors and matrices
% supports Section I.4

% define row-vector, column-vector and a matrix
r = [2, 4, 6];
c = [1, 3, 5]';

a = r(2);
b = c(3)
```

```
b = 5
```

```
M = [ [1, 4, 7]', [2, 5, 8]', [3, 6, 9]'];

M2 = [1, 2, 3;
      4, 5, 6;
      7, 8, 9];

c = M(1,3);

% print
r
```

```
r =
     2     4     6
```

```
c
```

```
c = 3
```

```
a
```

```
a = 4
```

```
b
```

```
b = 5
```

```
M
```

```
M =
     1     2     3
     4     5     6
     7     8     9
```

```
c
```

```
c = 3
```