

The Octave/Matlab Find Function for Matrices

```
% using the find command with a matrix
% the example in section II.8 was for a vector
octave:45>
C =
6 10 11
5 11 -8 % < 0
4 12 5
3 13 -4 % < 0
2 14 1
1 15 7

% we want to find the row indices for which the entry in the 3rd
% column is negative

octave:46> indices_3rd = find(C(:,3) < 0)
indices_3rd =
2
4

% entries for rows 2 and 4 are negative

% now pull out the entire rows of C for which 3rd column < 0

octave:47> D = C(indices_3rd, :)
D =
5 11 -8
3 13 -4

% rows 2 and 4 have been extracted to form matrix D
```