

```
>> aug = [2 1 -1 8; -3 -1 2 -11; -2 1 2 -3]
aug =
     2     1    -1     8
    -3    -1     2   -11
    -2     1     2    -3
>> aug(2, :) = aug(2, :) - (-3/2)*aug(1, :)
aug =
     2.0000     1.0000    -1.0000     8.0000
         0     0.5000     0.5000     1.0000
    -2.0000     1.0000     2.0000    -3.0000
>> aug(3, :) = aug(3, :) - (-2/2)*aug(1, :)
aug =
     2.0000     1.0000    -1.0000     8.0000
         0     0.5000     0.5000     1.0000
         0     2.0000     1.0000     5.0000
>> aug(3, :) = aug(3, :) - (2/0.5)*aug(2, :)
aug =
     2.0000     1.0000    -1.0000     8.0000
         0     0.5000     0.5000     1.0000
         0         0    -1.0000     1.0000
>>
```