

# Wek-6-math-2.R

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```
A = matrix(c(2,0,1,3), ncol=2)
B = matrix(c(5,2,4,-1), ncol=2)
```

```
A + B
```

```
##      [,1] [,2]
## [1,]    7    5
## [2,]    2    2
```

```
A - B
```

```
##      [,1] [,2]
## [1,]   -3   -3
## [2,]   -2    4
```

```
diag(x = c(4, 1, 2, 3), nrow= 4 )
```

```
##      [,1] [,2] [,3] [,4]
## [1,]    4    0    0    0
## [2,]    0    1    0    0
## [3,]    0    0    2    0
## [4,]    0    0    0    3
```

```
C = diag(x = c(3), nrow = 5)
C[1,2:5] = 1
C[2:5,1] = 2
C
```

```
##      [,1] [,2] [,3] [,4] [,5]
## [1,]    3    1    1    1    1
## [2,]    2    3    0    0    0
## [3,]    2    0    3    0    0
## [4,]    2    0    0    3    0
## [5,]    2    0    0    0    3
```