

Math Conventions

focus on what might seem different

Operator precedence:

- `:: $ []` PEU: `%x%` (MD)(AS) and L-to-R priority if equal
- `"1:5 * 2"` `:"` has precedence
- logic: `!` (`& &&`) (`| ||`) xor
- (`&` is vectorized "AND"; `&&` is single-valued "AND")

Operators to note:

exponentiation: `^` (accepts `**`)

modulus: `%%` (matrix: `%x%`)

integer division: `%/%`

R input and response:

```
b <- 5.3 %/% 2.6; print(b)
## [1] 2
## weird: b is not an integer!
is.integer(b); b == as.integer(2)
## [1] FALSE
## [1] TRUE
```