Math Conventions

focus on what might seem different

Operator precedence:

- :: \$ [] PEU: %x% (MD)(AS) and L-to-R associativity "1:5 * 2" : has precedence
- •! (& &&) (| ||) xor
- & vectorized;&& single-valued, efficient

Operators to note:

```
exponentiation: ^ (accepts **) modulus: %% (mention %x%) integer division: %/% define vector: c(...) test if element present: %in% equality test: '==', not '='
```

missing: '+=', '++', etc.

```
T | F & F # 8 has priority
## [1] TRUE

27 %% 6
## [1] 3

b <- 5.3 %/% 2.6; b
## [1] 2
```

is.integer(b); as.integer (b)

a <- c("alpha", "beta", "gamma")

c("gamma", "eta") %in% a

[1] TRUE FALSE

[1] FALSE

[1] 2

1:5 * 2 # 1:10 or 2,4,6...?

[1] 2 4 6 8 10