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: %/%
define vector: c(...)
test if element present: %in%
equality test: '==', not '='

R input and response:

```
## for assignment,
## avoid a = b; use a <- b
## <- has precedence over =,
## Can lead to problems.
## Exception: Use = for assigning
## in functions: plot(col='red')
```