Main topic: Functions ( 4+ math class functions double of (double); 1: R-> R "fis a fare. from reals" double f (double X) { return XXX;  $\times \longrightarrow \times^2$ (K) = X "A male x to x" Niffrences from math functions: - night be "malti-valued" f(3) = 9 the Rirst time, and later, f(3/ = 10 ... (e.g. printing - night have side-affects a nessage void printhello (int n) { for () = 0; i(N; itt) coat << "hello in";

Then if we do this:

printhello(100) i // would print "helloin"