Using Functions in C++

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Two Functions

• `sqrt( 4 );`
  – Square root function finds the square root for you
  – It is defined in the cmath library, `#include<cmath>`

• `rand();`
  – Random function generates random value for you
  – It is defined in the cstdlib library,
    `#include <cstdlib>`
sqrt() function

- sqrt function takes in a number, and returns the square root
- sqrt function is defined as
  - double sqrt( double )
  - sqrt function takes an input argument of type double
  - sqrt function returns a value that is of type double
Rand() function

• rand() function doesn’t need any input and it returns an int
• rand function is defined as
  – int rand()
  – rand function does not take any arguments
  – rand function returns a value that is of type int