

# 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 an value that is of type `double`

# Rand() function

- rand() function doesn't need any input and it returns a 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