The `<cmath>` Header

C++ has an extensive standard mathematical library called <cmath> that includes many of the pre-built functions you are likely to use. After including the `<cmath>` header, you can use the functions just like this:

```
1  double root = sqrt(value);
```

In this case, `sqrt` is the function, `value` is the argument <mark>passed</mark> (or copied) into the function, and `root` is where the answer, returned from the function, will be stored.

Notice, that unlike Java, we <mark>don't</mark> use method call syntax, like `Math.sqrt()` to call the math functions in the standard library.

Normally, you'll just look up the math functions online online when you need them. However, you should be able to use `sqrt()`, `abs()` and `pow()` without refering to the documentation.