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# CMSC 115 Reading Guide

Please enter your responses in red.

# 5.3 Flow of control Re-read

1. How does the control of the program flow when a function is called? The flow of control with function is to flow from the invocation in the calling program, to the function itself, and then back to the calling program with the function’s return value being made available to the calling program.

## Section 5.3.1 Reread

1. What is the *caller* doing while the function is executing? The caller suspends while the function is executing.

## Section 5.3.2 Reread

1. How does information get from the caller to the function? This information is passed using parameter passing and is done just before the calling program suspends.
2. What does it mean to say that the function has its own “namespace”? A namespace is like a collection of defined symbolic names that include information about the object that it refers to.

## Section 5.3.3 Read

## Section 5.3.4 Read

1. How does their get\_triangle() method return 6 values instead of one? The get\_triangle() method returns 6 values instead of one as it first grabs the get\_vertex() method which contains two elements and then under the function get\_triangle() they grab three different get\_vertex() methods to 6 different variables, resulting in 3\*2, or 6 values.
2. What would it look like to try to write this program without functions? Could it be done? Without functions this program would not be easy to do, but could be done using if, for, and while statements.

## Section 5.3.5 Reread

## Section 5.3.6 Reread

1. What is their suggested rule of thumb for how long a function should be? Their rule of thumb is to make functions small enough to fit on the screen.

## Section 5.3.7 Read

## Section 5.3.8 Re-read