

Functions Warmup

1. In the following code circle the function declaration, function definition, and function call:

```
#include <stdio.h>

int max(int num1, int num2);

int main (void)
{
    int a = 100, b = 200, ret;

    ret = max(a, b);

    printf( "Max value is : %d\n", ret );
}

int max(int num1, int num2)
{
    int result;

    if (num1 > num2)
        result = num1;
    else
        result = num2;

    return result;
}
```

2. Read the following code. How might you improve the design of this if statement?

```
if (first2 == 40 || first2 == 41 || first2 == 42 || first2 == 43 ... first2 == 48 || first2 == 49)
```

3. In the code in question 1, the variables in `main` are named `a` and `b`, but they don't appear anywhere in my function even though I call `max` with those variables as inputs. Why?

4. Write pseudocode for a function that takes three integers as parameters and returns the largest integer.