Swift: Functions - Group Assignment
Part 1: Function Types
One of the most important parts of understanding functions tis to first understand how to take your idea for a function, and represent it with the correct function type, i.e., the correct parameters and return types.
Below there are multiple English descriptions of a function. You should work together to determine the function declaration, including a good name for the function, the correct parameters types and names, and the correct return types.
The first one is done for you as an example.
Compute if a number is prime.
func isPrime(number: Int) -> Bool
Compute if a string ends in ".swift"
Compute the prime divisors of a number.

Names: _____

Compute if 2 numbers are relatively prime (they share no common divisors). Example: 9 and 8 are relatively prime, 9 and 6 are not relatively prime.				
Compute if 3 floating point numbers are valid lengths for the sides of a triangle. Example: you can't make a triangle with lengths: 1.2, 1.3, 10.6.				
Compute the mean, median, and mode of an array of floating point numbers				
Sort an array of numbers				

Part 2: Writing Functions

Now, work as a group to get practice writing complete functions.

Pick 3 of the functions from above, and write the complete code for each. Some things are easy if you Google it.

Function 1				

Function 2

Function 3				

Part 3: Testing Functions

A very important aspect of writing functions is also testing that they work correctly. For **every** function in Part 1 (not just the ones you wrote actual code for), write some short code that tests each function with 5 different inputs to demonstrate that they work correctly.

The first one has been done for you as an example.

Compute	if a	number	is	prime.
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