

Lab 7: Functions

- **Function**

- Sequence of instructions with a name

- **Parts of a Function**

1. Definition

- def
- name
- parameters

2. Instructions

3. Return Statement

- **Function Call**

- Call a function by its name and provide the necessary arguments
- Capture result in a variable

- **cylinder.py**

- implement **cylinderVolume** and **cylinderArea**

- **moreFunctions.py**

- **slope** – returns the slope of two points or False if it can't be calculated
- **telephone** – returns the digit associated with the letter on a keypad or -1 if the character is invalid
- **printSquares** – prints all the squares less than the number
- **factorial** – returns the factorial of the number, Note: use a while loop!

- **testMoreFunctions.py**

- import your functions (*) and test them

- Don't forget to show me!