

## 1. Let's Run Some Functions!

a. In the box below, write the output of the following code.

```
def my_line(x):  
    return 10 * x + 8  
  
print(my_line(1))  
print(my_line(3))  
print(my_line(5))
```

b. For the function below, label: the function name, parameter, and function body.

```
def check_word(word):  
    if len(word) % 2 == 0:  
        print("Good word.")  
    else:  
        print("Bad word.")
```

c. In the box below, write the output of the following code.

```
print(check_word("thunder"))  
print(check_word("rain"))  
print(check_word("sunshine"))
```

## 2. Writing Functions

Fill in the blanks of the code to create a function that computes how many legs there are for when there are `num_dogs` many dogs. Your code should result in the same output.

```
def num_legs(num_dogs):  
  
    return -----  
  
print(num_legs(2))  
print(num_legs(1))
```

```
8  
4
```

## 3. Writing More Functions

Write a function that takes in `word_1` and `word_2`, and returns the word with more characters (the longer word). If `word_1` and `word_2` have the same number of characters, return `word_1`.

```
def longer_word(word_1, word_2):
```

## 4. Print vs. Return?

Recall from lecture. What is the difference between `print` and `return`?