## Lab: Python 1

Assignment Worksheet

## Answer 1

What is the value of $x$ given the statement:
$x=" 5 "+" 6 "$
A. "11"
B. "30"
C. "56"
D. "65"

## Answer: C

## Answer 2

What is the value of $x$ given the statement:
$x=5+6 \#+7 \#+8$
A. 11
B. 30
C. 56
D. 65

Answer: A

## Answer 3

Write the first line of a function named 'multiplication' that accepts three arguments named 'one', 'two', and 'three'.

Answer: def multiplication(one,two,three):

## Answer 4

Write a statement that multiplies the three variables in the previous function definition (\#3) and saves the result to a variable named 'output'

Answer: def output=one*two*three

## Answer 5

Write an if statement that checks whether a variable named 'latitude' is less than or equal to the value ' 90.0 '.

Answer: if(latitude<=90.0):

## Answer 6

Write two Python statements that when combined check whether a 'longitude' variable is within the following range: -80.52 and -84.82

Two boxes. Either of these choices is acceptable for both boxes.
AnswerA: if(longitude<=-80.52):
AnswerB: if(longitude>=-84.82):

## Answer 7

Write a function called 'max' that accepts three arguments 'one', 'two', and 'three' and returns the largest of them.

Answer: textbox (I will grade)

## Answer 8

Write a statement that calls your function from \#7, saves the output to ' $x$ ' and passes in as arguments the values $-1,0$, and 1 .

Answer: $\mathrm{x}=\max (-1,0,1)$

## Answer 9

The following four questions (9-12) will create a four line program that tests whether a variable ' $x$ ' is incorrect and prints a statement depending on if $x$ is 'INCORRECT'. First, write an if statement that tests whether a variable ' $x$ ' is different than "INCORRECT".

Answer: if(x!="INCORRECT"):

## Answer 10

Write a statement that prints the string "X IS NOT INCORRECT. $\mathrm{X}=$ " followed by the value of x
Answer: print("X IS NOT INCORRECT. X=",x)

## Answer 11

Write a statement that corresponds with an if statement (e.g., from \#9) that will execute a portion of code ONLY when an if statement is false.

Answer: else:

## Answer 12

Write a statement that prints "X is INCORRECT"
Answer: print("X is INCORRECT")

