**UNIT 1 TEST REVIEW WORKSHEET**

1. Write the code that will place the results of the calculation, **3 + 5**, into a variable named **Answer**

Answer = 3 + 5

1. Write the code to display the value stored in the variable **Answer**

print “The sum of 3 and 5 is”, Answer

1. Write the code to that will assign the cubed value of the variable **Num** to the variable **Answer**

Ans= Num \*\*3

1. What type of data are **“Real Number”**

Integer

1. What type of data are **“Whole Number”**

float

1. What type of data are **“Words and Phrases”**

string

1. Write the code to output the following: ***Chantilly High School*** and the value of variable **School** in the same line

Print “Chantilly High School”, School

1. What is an **Algorithm**?

**A process of steps in order, to solve a problem**

1. What is **Pseudo Code**?

**Invalided code**

1. What does **initialize** mean?

**To set a variable to an assigned value**

1. Write the code that will ask the user to input their name and store it in the variable **Name**

Name = raw\_input(“Enter name: ”)

1. Write the code that will ask the user to input the price of one gallon of gas and store it in the variable **Gas**

Gas = float(input(“Enter price of one gallon of gas: “))

1. Write the code that will ask the user to input the number of students in a class and store it in the variable **Class**

Class = int(input(“Enter the number of students: “))

1. Write the code that will calculate the average of **Num1** and **Num2,** round it to 2 decimals and store it in **Avg**

|  |  |  |
| --- | --- | --- |
| **#** | **Python Operator** | **Identify the Math Operation the Python Operator Performs** |
| **15** | **+** | **add** |
| **16** | **-** | **subtract** |
| **17** | **\*** | **multiply** |
| **18** | **/** | **divide** |
| **19** | **\*\*** | **exponent** |
| **20** | **//** | **integer division** |
| **21** | **%** | **modulus** |
| **What is this operator called?** | | |
| **22** | **=** | **assignment** |

1. Write the code that will calculate the remainder of **Num1** and **Num2,** and store it in **Remainder**

Remainder = num1 % num2

1. Write the code that will calculate the area of a rectangle given **Length** and **Width** and store it **Area**

Area = length \* width

1. Write a program that will calculate the area of a triangle (1/2 \* Base \* Height). Ask the users to input the Base of the triangle and store it in **Base**. Ask the user to input the Height of the triangle and store it in **Height**. Then calculate the area of the triangle and store it in **Area**. Display the results of the calculation after the string  
    ***“The area of the Triangle is : “***

***ONCE YOU HAVE WRITTEN YOUR ANSWER HERE OPEN PYTHON AND TYPE IN YOUR PROGRAM.***

Base = float(input("Enter the base of the triangle:"))

Height = float(input("Enter the height of the triangle: "))

Area = (.5) \* Base \* Height

print "The area of the triangle is:", Area