**Name:** _____

## Python Worksheet: Data Types and Operators

1. What are Python's 3 basic data types? Give an example for each type:

   a. _____          Ex: _____

   b. _____          Ex: _____

   c. _____          Ex: _____

2. Draw a line to match the examples to their corresponding data types:

   a. 123456789

   b. "Is a hot dog a taco?"

   c. 98765432.1                              ● Integer (int)

   d. "122333.4444"                           ● Float (float)

   e. 0.000000001                             ● String (string)

   f. 5

3. For the following questions, write T for True or F for False:

   a. _____ : You can add an int and a float.

   b. _____: You can multiply two strings.

   c. _____: You can subtract a float from an int.

   d. _____: Python multiplication is represented by the symbol "x".

   e. _____: The output of the code: `print(2 + "2")` is 4.

   f. _____: If you multiply an int and a float, the result will be a float.

4. Use the code to answer the following questions:

```
1   num_1 = 5;
2   num_2 = 20.5;
3
4   food_1 = "ravioli";
5   food_2 = "poptart";
6
7   print num_1 + num_2;
8   print num_1 + 2;
9   print num_2 + food_1;
10  print num_2 - food_2;
11  print food_2 + " = " + food_1;
```

a. What data type are each of the variables?

    i.    num_1: _____

    ii.    num_2: _____

    iii.    food_1: _____

    iv.    food_2 : _____

b. Write what each line will print out:

    i.    Line 7: _____

    ii.    Line 8: _____

    iii.    Line 9: _____

    iv.    Line 10: _____

    v.    Line 11: _____