

Name:

Please respond to the following questions. Be as *explicit* as possible in your answers.

1. Describe the steps to write and run a new Python program named `program.py`.
2. What is the difference between a `float` and an `int`? Give one example of each data type.
3. Examine the following snippet of code. What will be printed when I run this program? Show your work.

```
foo = 10
bar = foo - 5
wobble = foo + 3
print(wobble + bar)
```

4. What's wrong with this line of code, and how can I fix it? `answer = 2x^3`

5. When I try to run the following snippet of code, I get an error. What's wrong, and how can I fix it?

```
height = int(input("How tall are you in inches?"))
print("Wow you are " + height + " inches tall!")
```

```
> python3 program.py
TypeError: can only concatenate str (not "int") to str
```