Note: These are not the only correct solutions. You may name variables differently, compute final results in different ways, etc. This is simply one solution to the problem.

1. Write a function `sayHello` which takes 1 parameter which represents the name of the person to say hello to. The function should print out the phrase "Hello, my name is " and the name of the specific person to say hello to.

```python
def sayHello(name):
    print "Hello, my name is " + name
    #note that I could also have
    #print "Hello, my name is", name
```

2. Write a function `sayHello` which takes 1 parameter which represents the name of the person to say hello to. The function should return a string with the phrase "Hello, my name is" and the name of the specific person to say hello to.

```python
def sayHello(name):
    x = "Hello, my name is " + name
    return x
```

3. Write a function named `milesToKM` which converts a number of miles to kilometers. The function takes 1 parameter representing the number of miles. The function should return the equivalent number of kilometers. 1 mile is equivalent to 1.61 kilometers.

```python
def milesToKM(miles):
    km = miles * 1.61
    return km```
4. Write a composite function called `furlongsToKM` which converts furlongs to kilometers. The function to take one input parameter representing the number of furlongs. It should return the number of kilometers. You should call the `milesToKM` function you wrote for #3 above. 8 furlongs is equivalent to 1 mile. Pay attention to your data types to ensure you have the most accurate answer you can. Some examples are below:

```python
furlongsToKM(fur):
    miles = fur/8.0  #note the 8.0 instead of just 8. Why?
    km = milesToKM(miles)
    return km
```

5. Pretend you are the python interpreter. What will be printed as a result of executing each of the following expressions? Pay attention to your data types.

   a) >>> 4.0 + 8
      12.0
   b) >>> 4 + 8
      12
   c) >>> 2**4
      16
   d) >>> 4.0 / 8
      .5
   e) >>> 4 / 8
      0
   f) >>> 4 % 8
      4
   g) >>> 8 % 4
      0
   h) >>> 8 / 4
      2
   i) >>> 9 / 4
      2
   j) >>> 9 % 4
      1