## **Object Oriented Programming**

## **Homework Assignment**

## **Problem 1**

Fill in the Line class methods to accept coordinate as a pair of tuples and return the slope and distance of the line.

## **Problem 2**

Fill in the class

```
In [31]: class Cylinder(object):
    def __init__(self,height=1,radius=1):
        pass
    def volume(self):
        pass

    def surface_area(self):
    pass

In [32]: # EXAMPLE OUTPUT
    c = Cylinder(2,3)

In [34]: c.volume()
Out[34]: 56.52

In [35]: c.surface_area()
Out[35]: 94.2
```