Samples Programming with Python

1. Write down all of the output generated by the following Python program, evaluating it by hand.

```
from __future__ import division
from pylab import *

def f(x):
    ans = x+2
    return ans

x = 6
print f(x)
print f(0)
print f(x+1)
f(19+18*x+11)
```

2. Write down all of the output generated by the following Python program, evaluating it by hand.

```
from __future__ import division
from pylab import *

def f(x):
    ans = 5+x
    return ans

x = 5
print f(x)
print f(0)
print f(x+1)
f((17+10*x)*12)
```

3. Write down all of the output generated by the following Python program, evaluating it by hand.

```
from __future__ import division
from pylab import *

def f(x):
    ans = x*3
    return ans

x = 9
print f(x)
print f(0)
print f(x+1)
f((x+17+12-18)*x)
```