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 func(b):
    if b % 2 == 0 :
        return b+7
    else :
        return b*4*8

bs = zeros(8)

u = 0

while u < size(bs) :
    bs[u] = func(u)
    u = u+1

print "bs =", bs
```

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 func(x):
    if x % 2 == 0 :
        return 6+x
    else :
        return x-(8-3*x)

zs = zeros(8)

u = 0

while u < size(zs) :
    zs[u] = func(u)
    u = u+1

print "zs =", zs
```

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 func(q):
    if q % 3 == 1 :
        return q+5
    else :
        return 6*(6-q)

ks = zeros(10)
```

```
v = 0

while v < size(ks) :
    ks[v] = func(v)
    v = v+1

print "ks =", ks
```