



1. (15p) What is the output of the following code, and why?

```
>>> def func(a, b=4, c=5):  
    print(a, b, c)
```

```
>>> func(1, 2)
```

.....
.....

2. (15p) What is the output of this code, and why?

```
>>> def func(a, b, c=5):  
    print(a, b, c)
```

```
>>> func(1, c=3, b=2)
```

.....
.....

3. (10p) How about this code: what is its output, and why?

```
>>> def func(a, *pargs):  
    print(a, pargs)
```

```
>>> func(1, 2, 3)
```

.....
.....

4. (10p) What does this code print, and why?

```
>>> def func(a, **kargs):  
    print(a, kargs)
```

```
>>> func(a=1, c=3, b=2)
```

.....
.....

5. (20p) What gets printed by this, and why?

```
>>> def func(a, b, c=3, d=4): print(a, b, c, d)  
>>> func(1, *(5, 6))
```

.....
.....

6. (30p) One last time: what is the output of this code, and why?

```
>>> def func(a, b, c): a = 2; b[0] = 'x'; c['a'] = 'y'  
>>> l=1; m=[1]; n={'a':0}  
>>> func(l, m, n)  
>>> l, m, n
```

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