Exercice 1 *3 points*

```
def maxi(n1, n2):
    if n1 < n2 :
        return n2
    else :
        return n1
```

Exercice 2 *3 points*

- `f(2)` $= 2 + 3 = 5$
- `g(1)` $= 2 \times 1 + f(1) = 2 + 1 + 3 = 6$
- `h(0)` $= 1 + f(g(0)) = 1 + f(2 \times 0 + f(0)) = 1 + f(3) = 1 + 6 = 7$

Exercice 3 *4 points*

```
def decale_phrase(p, dec):
    phrase_decalee = ''
    for lettre in p:
        if lettre == ' ':
            phrase_decalee += ' '
        else:
            nouvelle_lettre = decale_lettre(lettre, dec)
            phrase_decalee += nouvelle_lettre
    return phrase_decalee
```

Exercice 4 *5 points*

1.

```
def longueur(mot):
    nb = 0
    for lettre in mot:
        nb += 1
    return nb
```

2.

```
def plus_long_mot(mot1, mot2):
    if longueur(mot1) > longueur(mot2):
        print(mot1)
    else:
        print(mot2)
```

Exercice 5 *5 points*

1.

```
def test_remplace():
    assert remplace("mauriac") == "mourioc"
    assert remplace("lycée") == "lycée"
```

2.

```
def remplace(mot):
    new_mot = ""
    for l in mot:
        if l == "a":
            new_mot += "o"
        else:
            new_mot += l
    return new_mot
```