What is the output of each of the following Python commands?

1. `len('programming') == len('programs')`
   (a) True
   (b) False
   (c) Error
   (d) Null

2. `Apple = True
   Orange = False
   print(Apple or (not Orange and 5 < 5.111))`
   (a) False
   (b) True
   (c) Error
   (d) Null

3. `for i in range(2):
   print('French')
   print('fries')`
   (a) French
       Fries
       French
       Fries
   (b) French
       French
       French
       Fries
(c) French
   Fries
   Fries
   Fries

(d) French fries French fries

4.

```python
if 55 < 66:
    print('hola senor')
if 3 < 4.4:
    print('i love math!')
else:
    print('go bruins')
print('ciao')
```

(a) hola senor
   i love math!
   go bruins
   ciao

(b) hola senor
   i love math!
   ciao

(c) hola senor
   go bruins

(d) i love math!
   ciao

5. Circle the error:

```python
my_var = True
if my_var:
    output_var = 'python'
    another_var = 'language'
    print(output_var + another_var)
```
6. Which are comparison operators used in boolean expressions? Select all that apply:
(a) ==
(b) !=
(c) ≥
(d) =

7. What is the output of the following program?
```python
one = True
two = False

if one and two:
    print('a and b')
    if one:
        print('a')
        if two:
            print('b')
else:
    print('not a and b')
```