1. In Python 3, what is the result of this expression?

\[ 2^{**64} + 1 > 2^{**64} \]

A. Guaranteed to be TRUE.

B. This may overflow, depending on the size of the int type in this Python implementation.
2. In Python 3, what is the result of the last expression?

\[
x = {}
\]
\[
x[\text{‘name’}] \text{ if } x \text{ else } 0
\]

A. ‘name’
B. 0
C. There is not enough information to decide.
3. In Python 3, what is the result of the last expression?

```python
y = list()
    0 if not y else y[-1]
```

A. Index out of bounds exception raised  
B. 0  
C. -1  
D. There is not enough information to decide.
4. In Python 3, what is the result of the following expression?

\[ \text{range}(1,4)[2] \]

A. 4  
B. 1  
C. 3
5. In Python 3, what is the result of the following expressions?

```python
x = {'a','b'}
y = set('bcd')
x <= y, x >= y, x & y
```

A. (false, true, {'b'})
B. (true, false, set())
C. (false, false, set())
D. (false, false, {'b'})
Answers:

1. A
2. B
3. B
4. C
5. D