1. What is the value of `a` after this code runs?

   ```python
   a = [2, 4, 6, 8]
a.remove(4)
a.pop(2)
   ```

   A. [2, 4]
   B. [6, 8]
   C. [2, 6]
   D. [2, 8]
   E. The code produces an error

2. What is the value of `a` after this code runs?

   ```python
   a = [2, 4, 6, 8]
a.remove(4)
a.pop(2)
   ```

   After `a.remove(4)`, `a` is [2, 6, 8], after `a.pop(2)`, the item at index 2 is removed, so `a` is [2, 6]

   A. [2, 4]
   B. [6, 8]
   C. [2, 6]
   D. [2, 8]
   E. The code produces an error

3. What is the value of `a` after this code runs?

   ```python
   a = [2, 4, 6, 8]
a.pop(2)
a.remove(4)
   ```

   After `a.pop(2)`, the item at index 2 is removed, so `a` is [2, 6, 8]

   A. [2, 4]
   B. [6, 8]
   C. [2, 6]
   D. [2, 8]
   E. The code produces an error

4. What is the value of `a` after this code runs?

   ```python
   a = [2, 4, 6, 8]
a.pop(2)
a.remove(4)
   ```

   After `a.pop(2)`, the item at index 2 is removed, so `a` is [2, 4, 8]
   and `a.remove(4)`, `a` is [2, 8]

   A. [2, 4]
   B. [6, 8]
5. What is the list produced by this code?

```
list(range(2, 7))
```

A. [0, 1, 2, 3, 4, 5, 6]
B. [0, 1, 2, 3, 4, 5, 6, 7]
C. [2, 3, 4, 5, 6]
D. [2, 3, 4, 5, 6, 7]
E. This code produces an error

6. What is the list produced by this code?

```
list(range(2, 7))
```

A. [0, 1, 2, 3, 4, 5, 6]
B. [0, 1, 2, 3, 4, 5, 6, 7]
C. [2, 3, 4, 5, 6]
D. [2, 3, 4, 5, 6, 7]
E. This code produces an error

range(2,7) generates an iterable with the sequence 2,3,4,5,6. When used as the argument for the list constructor, the result is the list [2,3,4,5,6]