## CMSC 206: Data Structures Aliasing

Assume the code below has access to the Counter class (available from the course syllabus). Draw a memory diagram as it would be after each snippet of code is run. Consider the snippets to be independent; that is, one does not flow into another.

```
1. int a = 5;
  int b = 6;
  int c = 7;
```

```
4. Counter a = new Counter(5);
   Counter b = new Counter(6);
   a.increment();
```

```
5. Counter a = new Counter(5);
   Counter b = new Counter(5);
   a.increment();
```

```
6. Counter a = new Counter(5);
  Counter b = a;
  a.increment();
7. Counter a = new Counter(5);
  Counter b = a;
  b.increment();
8. Counter a = new Counter(5);
  Counter b = a;
  a.increment();
  b.increment();
9. Counter a = new Counter(5);
  Counter b = a;
  a.increment();
  b = new Counter(8);
  b.increment();
10. Counter a = new Counter(5);
  Counter b = a;
  a.increment();
  a = new Counter(8);
  b.increment();
```