1. Draw the 5 bubble lifetime of a process graph.
2. (True/False) A context switch is when the O.S. schedules I/O.
3. Comment on this code. Say something meaningful.

for(int I = 0; I < 10; i++) {
 threads[i].start();
 threads[i].join();
}
4. Suppose I have this code. What class must Fred have extended?
 Fred thread = new Fred();
 thread.start();
5. What function/method must the class Fred have?
 start begin run fork none\_of\_these
6. Draw the four box memory allocation map. The one the slides used had labeled text, data, heap, and stack.
7. Name one event that could cause a process to lose the cpu temporarily.
8. What does a process notice when it loses and then regains the CPU?