Suppose 3 processes:
P1 has following computation: 2ms CPU, 11ms wait, 3ms CPU, 11ms wait, 2ms CPU, 11ms wait, 4ms CPU, 11ms wait, 2ms CPU, 11ms wait, 3ms CPU, 11ms wait 
P2 has following computation: 25ms CPU, 20ms wait for I/O, 35ms CPU, 20ms wait for I/O 
P3 has 1000ms of CPU

started at the same time 0 with order P1, P2, P3 on uni-processor computer. Draw diagram of running process from 0 to 80ms if the scheduling algorithm is:

1) Round robin with 10ms time amount. Compute waiting time for process P1. Do you know another scheduling algorithm that can decrease this waiting time for process P1?

2) multi-level feedback queue with two queues, top one with RR 10ms, the second one with RR 15ms. If the process is removed from ready queue than it is moved up in the feedback queue.

Real-time Scheduling
There is real-time operating system with 3 periodic processes:
P1 has computation time 20ms with period 40ms
P2 has computation time 10ms with period 50ms
P3 has computation time 15ms with period 60ms
Is it possible to schedule these tasks? Can you use RMS or EDF? Explain why, draw diagram of running processes.