Consider the following set of processes, with the length of the CPU burst given in milliseconds:

Process	Arrival Time	Burst Time	Priority
P1	0	10	3
P2	1	1	1
P3	2	2	5
P4	3	1	4
P5	4	5	2

a. Draw four Gantt charts that illustrate the execution of these processes using the following scheduling algorithms: FCFS, preemptive SJF (抢占式最短作业优先), preemptive priority (a smaller priority number implies a higher priority), and RR (quantum = 1).

b. What is the turnaround time (周转时间) of each process for each of the scheduling algorithms in part a?

c. What is the waiting time (等待时间) of each process for each of the scheduling algorithms in part a?