Question

Suppose that the following processes arrive for execution at the times indicated. Each process will run for the amount of time listed. In answering the questions, use non preemptive scheduling, and base all decisions on the information you have at the time the decision must be made.

Process	Arrival Time	Burst Time
P1	0	8
P2	4	4
P3	10	1

a) **What is the average turnaround time for these processes with the FCFS scheduling algorithm?**

P1 = 8 – 0 = 8

P2 = 12 – 4 = 8

P3 = 13 – 10 = 3

$T_{average}$ = (8 + 8 + 3) / 3 = 6.33

b) **What is the average turnaround time for these processes with the SJF scheduling algorithm?**

It will be same as FCFS as the arrival time is different for all the processes and there's never a time when two or more processes are waiting simultaneously. Shortest job can be selected only if there are two or more processes waiting.