n	
COTO!	
Score:	

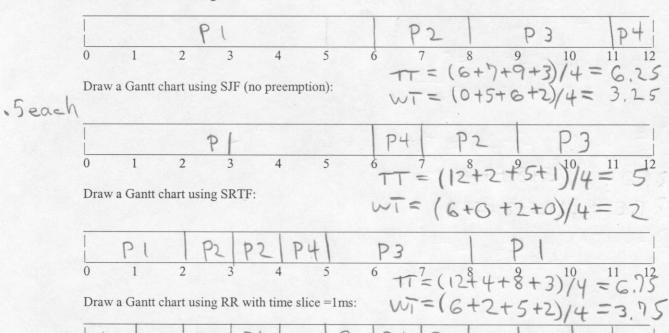
Name:

## ECE 3055 Quiz - November 19, 2003 CPU Scheduling

The following processes arrive for execution at the times indicated. Use preemptive scheduling for SRTF and RR. Base all decisions on the information you have at the time the decision is made. At arrival time, the burst execution time is known. For RR, assume a newly arrived process is in the ready queue just prior to its arrival time (i.e. it is in the ready queue just before a running process is stopped and added to tail of the ready queue at a time slice.)

Process	Arrival Time	<b>CPU Burst or Execution Time</b>	
P1	0.0ms	6ms + 5 - ( C + 0 + C	2/11-0
P2	2.0ms	$\frac{1}{2}$ $\frac{1}$	8)/7 = 1
P3	3.0ms	3ms = -(0.11115)	11 - 11
P4	4.0ms	$\frac{3ms}{1ms}$ $WT = (0+4+5+$	1)/4-4
1	4.0115	11115	-1 (

Draw a Gantt chart using FCFS:



Queue	Fill in the table below:			
		Average Turnaround Time	Average Wait Time	
	FCFS	7	4	
lpt. each blank	SJF	6.25	3,25	
	(no preemption) SRTF	5	2	
	(preemption)		20-	

RR

6.75

3.75