Scheduling

1)

Run	1	2	3	4	5
Q	1	2	4	8	16
Acc	1	3	7	15	31

2)

A: 50/8 + 150/4 + 300/2 + 85 = 278,75

B: 300/8 + 150/4 + 85/2 + 50 = 167,5

B first

3.1)
CPU bound : processes spend most of their time using the cpu(calculations etc.)
I/O bound: processes that read or write data to a file for example

3.2)
CPU bound processes need higher quanta.
I/O processes need lower quanta to be effectiv

4)
period: 50 100 200 250 c: 35 20 10 x

Sum: Ci / Pi <= 1

35/100 + 20/100 + 10/100 + x/250 =

1 0.35 + 0.2 + 0.1 + x/250 =

1 0.65 + x/250 =

1 x/250 =

0.35 x =

0.35 * 250 x = 87.5

Maximum val of x is 87.5