Preemptive Priority

a. **A smaller priority number implies a higher priority.**

Process	Arrival Time	Burst Time(Run Time)	Priority	Waiting Time	Response Time	Turnaround Time
P1	0	50	4			
P2	10	30	1			
P3	20	20	3			
P4	30	70	5			
P5	50	40	2			
For your computed Average Waiting Times, Response time and Average Turnaround Time:						

Summary Table:

Process	Arrival Time	Burst Time	Priority	Waiting Time	Response Time	Turnaround Time
P1	0	50	4	100	0	150
P2	10	30	1	0	0	30
P3	20	20	3	60	60	80
P4	30	70	5	120	120	190
P5	50	40	2	0	0	30

Corrected Average Metrics:

- Average Waiting Time:
  - $\frac{100+0+60+120+0}{5} = \frac{280}{5} = 56$ units
- Average Response Time:
  - $\frac{0+0+60+120+0}{5} = \frac{180}{5} = 36$ units
- Average Turnaround Time:
  - $\frac{150+30+80+190+30}{5} = \frac{480}{5} = 96$ units