The average turnaround time with the First-Come-First-Serve (FCFS) scheduling algorithm can be calculated as follows:

Completion time for P1 = Arrival time for P1 + Burst time for P1 = 0.0 + 8 = 8.0

Completion time for P2 = Completion time for P1 + Burst time for P2 = 8.0 + 4 = 12.0

Completion time for P3 = Completion time for P2 + Burst time for P3 = 12.0 + 1 = 13.0

Turnaround time for P1 = Completion time for P1 - Arrival time for P1 = 8.0 - 0.0 = 8.0

Turnaround time for P2 = Completion time for P2 - Arrival time for P2 = 12.0 - 0.4 = 11.6

Turnaround time for P3 = Completion time for P3 - Arrival time for P3 = 13.0 - 1.0 = 12.0

Average turnaround time = (8.0 + 11.6 + 12.0) / 3 = 10.53 (rounded to two decimal places)

Therefore, the average turnaround time for these processes with the FCFS scheduling algorithm is 10.53 units of time.