Name:_____   Name: _____

Name:_____   Name: _____

Greedy Scheduling

1. Calculate the weighted sum of completion times for the following jobs if they are scheduled in the order: 1, 2, 3.

Job	J_1	J_2	J_3
Duration	$D_1 = 1$	$D_2 = 2$	$D_3 = 3$
Priority	$P_1 = 3$	$P_2 = 2$	$P_3 = 1$
Completion			
Weight			

   Weighted sum of completion times: _____

2. To minimize the weighted sum of completion times do you think it is better to schedule **lower** or **higher** priority jobs first?

3. To minimize the weighted sum of completion times do you think it is better to schedule **shorter** or **longer** jobs first?

4. Calculate the weighted sum of completion times using the two greedy criteria shown on the slide, for the following jobs: $D_1 = 5$, $P_1 = 3$ and $D_2 = 2$, $P_2 = 1$.