

The following probabilistic activity time estimates are for a CPM/PERT network.

|  | **Time Estimates (days)** | | |  | **Time Estimates (days)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **a** | **m** | **b** | **Activity** | **a** | **m** | **b** |
| 1 | 1 | 2 | 6 | 7 | 1 | 1.5 | 2 |
| 2 | 1 | 3 | 5 | 8 | 1 | 3 | 5 |
| 3 | 3 | 5 | 10 | 9 | 1 | 1 | 5 |
| 4 | 3 | 6 | 14 | 10 | 2 | 4 | 9 |
| 5 | 2 | 4 | 9 | 11 | 1 | 2 | 3 |
| 6 | 2 | 3 | 7 | 12 | 1 | 1 | 1 |

Determine the following:

1. Expected activity times
2. Earliest start and finish times
3. Latest start and finish times
4. Activity Slack
5. Critical Path

Expected Project duration and standard deviation.