

Homework 6

Assigned: 10/24/12 Due: 10/31/12

For the following task list, man hour estimates, dependencies, and employees, construct a PERT chart and a GANTT chart.

Task one: develop specifications (10 man hours)

Task two: design prototype (50 man hours), depends on task one

Task three: order parts (2 man hours), depends on task two

Task four: design experiment (10 man hours), depends on task two.

Task five: schedule facilities (2 man hours), depends on task one.

Task six: run test (10 man hours), depends on tasks three, four, five, and nine.

Task seven: write preliminary design report (5 man hours), depends on task two.

Task eight: write final design report (5 man hours), depends on tasks seven.

Task nine: build prototype (100 man hours), depends on task seven.

Task ten: write training manuals (50 man hours), depends on task seven.

Marsha, available for 10 man hours per week, can work on tasks one, two, three, four, five, six, seven, and eight.

Jan, available for 5 man hours per week, can work on tasks three, five, and ten.

Greg, available for 40 man hours per week, can work on task nine.

Peter, available for 5 man hours per week, can work on tasks seven and eight.