HW 2

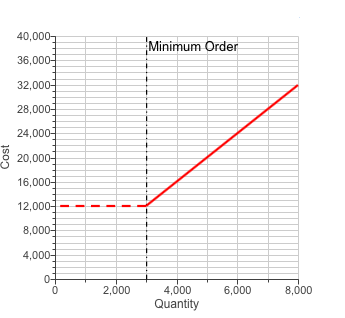
[Name of the Writer]

[Name of the Institution]

HW 2

**Question no 7.9**

1. **Graph.**



The entire cost of units, with similar crossover point.

**Question 8.5(PART A)**

**For Maitland**

1. **Space**
2. **Costs**
3. **Traffic Density**
4. **N. Income**
5. **Zoning Laws**

**For Baptist Church**

1. **Space**
2. **Costs**
3. **Traffic Density**
4. **Neighborhood Income**
5. **Zoning Laws**

**North side Mall**

1. **Space**
2. **Costs**
3. **Traffic Density**
4. **Neighborhood Income**
5. **Zoning Laws**

**PART B**

If the factors space and traffic density are reversed than the than the table will have following values

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

By viewing above Baptist Church is still the best option.

**Question 8.23**

**PART A**

Using the equations for the x and y coordinates, we get our value for as,

We can calculate as,

Hence for the center of gravity, we get our coordinates as 66.69 and 30.22.

**PART B**

If the 103 prjected by 20 %

105 projected by 20%

103=10,000 x 1.2

=12,000

105= 10,000 x 1.2

=12,000

For Cy

**Question 9.4**

Based on the information and tables it is said that designed could be as follow.

Materials and Welding

Drills and Grinders

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |

The length in feet would be 60 feet and width would be 40 feet wide.

**Question 12.1**

By solving the table of L.houts Plastic Charlotte Inventory Levels, we’ll get the following table.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | |
|  |  | **Value**  **($/UNIT)** | **Annual Dollar($)** | **Percentage of Annual Dollar Volume($)** | **Class** | **Total Percentage of Annual Dollar Volume($)** |
|  |  | 3.75 | 1500 | 44.49% | Class A | 80.08% |
|  |  | 4 | 1200 | 35.59% | Class A | 80.08% |
|  |  | 2.5 | 300 | 8.90% | Class B | 17.13% |
|  |  | 1.5 | 112.5 | 3.34% | Class B | 17.13% |
|  |  | 1.75 | 105 | 3.11% | Class B | 17.13% |
|  |  | 2 | 60 | 1.78% | Class B | 17.13% |
|  |  | 2.05 | 24.6 | 0.73% | Class C | 2.79% |
|  |  | 1.15 | 23 | 0.68% | Class C | 2.79% |
|  |  | 3 | 18 | 0.53% | Class C | 2.79% |
|  |  | 1.8 | 14.4 | 0.43% | Class C | 2.79% |
|  |  | 2 | 14 | 0.42% | Class C | 2.79% |
|  | | | 3371.5 | 100.00 % |  | 100.00% |

**Question 12.5**

**DATA**

**Part a)**

**Part b)**

**Part c)**

**Question no 7.12**

**Question no 12.12**

**Part a**

**Part b**

**Part c**

**Part d**

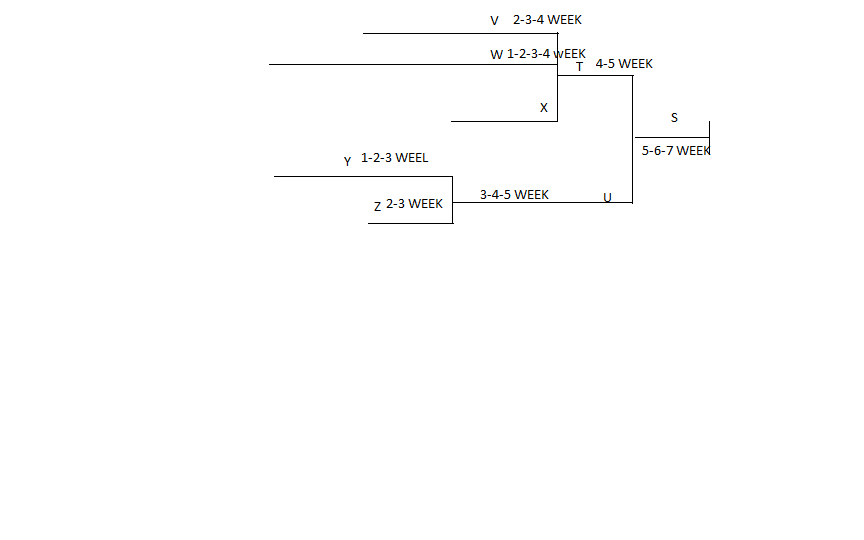
**Part e**

**Part f**

**Question 14.3**

**Part A**

**Part B**



**Question no 14.17**

The lot for lot solution for a data is given below.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

The gross cost would last for 10 weeks, so