**Problem 3**

Base Query Matrix

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Dimension** | | | | |
| **Measure** | *Customer* | *Sales Class* | *Location* | *Machine Type* | *Sales Agent* |
| *Profit amount and margin* | X | X | BQ2, BQ3 | X |  |
| *Returns* | X | BQ4 | BQ4 |  |  |
| *Shipping delays* | X | BQ5, BQ6 | BQ5, BQ6 |  |  |
| *Revenue (job)* | X | X | BQ1 |  | X |
| *Revenue (invoice)* | X | X | BQ2 |  |  |
| *Costs (subjob)* |  | X | BQ3 | X |  |
| *Ratio among types of costs* |  | X | BQ3 | X |  |
| *Gross margin* | X | X | BQ2, BQ3 | X |  |
| *Forecasting performance* |  | X | X |  |  |
| *Budgeting performance* |  | X | X | X |  |
| *Intra company sales* |  | X | X |  |  |
| *Shared machine usage* |  |  | X | X |  |
| *Lead success rate* | X | X |  |  | X |

#### AWR Questions

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| --- | --- |
| **Question No.** | **Response** |
| 1 | Total time in database calls by foreground sessions. Total time includes CPU time, I/O time, and non-idle wait time. |
| 2 | AWR data includes four tables, DBA\_Hist\_Snapshot, DBA\_Hist\_System\_Event, DBA\_Hist\_SQLStat, and DBA\_Hist\_Time\_Model. For columns, see the following Oracle diagram after this table. |
| 3 | V$ACTIVE\_SESSION\_HISTORY |
| 4 | Columns in the V$ACTIVE\_SESSION\_HISTORY are SQL statement identifier, object number, file number, block number, wait event number, session identifier, session serial number, module name, action name, client identifier, and database time. |