**MPS8:8 Pre-Formative Scoring Guide**

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| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 1. |  | X | 4 |  |  |  |  |

Answer: Rectangular prism, f=6, v = 8, e = 12

4 points: Exemplary response; name of figure correct, number of

faces correct, number of vertices correct, and number

of edges correct.

3 points: 3 of the above criteria correct

2 points: 2 of the above criteria correct

1 point: 1 of the above criteria correct

0 points: none of the above criteria correct.

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| 2. |  | X | 2 |  |  |  |  |

Answer: Yes – a pentagonal prism would have 2 bases and 5 sides.

2 points: exemplary response; correct answer and correct

reason

1 point: Either correct answer or correct reason, but not both

0 point: Neither answer nor reason is correct

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| 3. |  | X | 4 |  |  |  |  |

Draw a mat plan for the 3-D figure below. Then draw the front view, side view, and top view.

Mat plan: 

Front view:

Side view:

Top view:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ITEM# | SR | CR | PT | GLE | OBJ | EXP | DESCRIPTOR |
| 4. |  | X | 5 |  |  |  |  |

Use the mat plan below to draw a 3-D figure on isometric dot paper. (5 pts.)

5 points: Exemplary response. Drawing is correct.

4 points: Drawing is mostly correct.

3 points: Drawing is half correct.

2 points: Drawing is a little less than half correct.

1 point: Drawing is attempted.



