

Taker Name:

GTID: 90

Section:

Grader #1:

GTID: 90

**PA#2B- §12.5: Lines and Planes**

Consider the planes  $x + 2y - z = 4$  and  $2x - y + z = 1$ . Explain in a few words why the planes must intersect. Then, find the line which passes through the point  $P(1, 1, 1)$  and is parallel to the line of intersection of the two planes.

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| J |  |
| N |  |

**G2:**

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| A |  |
| J |  |
| N |  |

**G3:**

|   |  |
|---|--|
| A |  |
| J |  |
| N |  |