Taker Name: GTID: 90   Section:

Grader #1:   GTID: 90

§§12.5: Lines and Planes

Find a vector equation for the **line of intersection** of the two planes in $\mathbb{R}^3$.

$$x + y = 1 \quad \text{and} \quad x + z = 1$$

Make sure to justify and show your steps to (1) find a point of intersection of the two planes, and (2) find a vector which is parallel to both planes.

A

J

N

G2:

A

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G3:

A

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N