

<b>NAME:</b>
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Time: 10 Minutes

**NOTES:**

- a. Credit is only given to the correct numerical values.
- b. All numerical values must be calculated with three digits of accuracy after the decimal point.
- c. Do not write on the back side of the papers.



Given the points  $A(0,0,0)$  and  $B(8,6,0)$ , find the sequence of rotation matrices to make the line  $AB$  to be aligned with the  $z$  axis:

**Matrix #2**


**Matrix #1**
