HW1.8. Identify the inverse of a rotation matrix

Consider the rotation matrix

$$\begin{bmatrix} -0.1108 & -0.7047 & -0.7008 \\ -0.8371 & 0.4463 & -0.3164 \\ 0.5357 & 0.5516 & -0.6393 \end{bmatrix}$$

Find the inverse of this rotation matrix:

- ○ (a) $\begin{bmatrix} -0.1108 & -0.7047 & -0.7008 \\ 0.5357 & 0.5516 & -0.6393 \\ -0.8371 & 0.4463 & -0.3164 \end{bmatrix}$
- ○ (b) $\begin{bmatrix} -0.7047 & -0.7008 & -0.1108 \\ 0.4463 & -0.3164 & -0.8371 \\ 0.5516 & -0.6393 & 0.5357 \end{bmatrix}$
- ○ (c) $\begin{bmatrix} 0.5357 & 0.5516 & -0.6393 \\ -0.1108 & -0.7047 & -0.7008 \\ -0.8371 & 0.4463 & -0.3164 \end{bmatrix}$
- ○ (d) $\begin{bmatrix} -0.1108 & -0.7047 & -0.7008 \\ -0.8371 & 0.4463 & -0.3164 \\ 0.5357 & 0.5516 & -0.6393 \end{bmatrix}$
- ○ (e) $\begin{bmatrix} -0.1108 & -0.8371 & 0.5357 \\ -0.7047 & 0.4463 & 0.5516 \\ -0.7008 & -0.3164 & -0.6393 \end{bmatrix}$

Save & Grade
Single attempt

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Homework 1

Assessment overview

Total points: 30/30

Score: 100%

Question

Value: 1

History: 1

Awarded points: 1/1

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