

MATH 240 QUIZ 3

Name: _____

Question:

Find the inverse matrix of A , where

$$A = \begin{bmatrix} 1 & \sqrt{2} \\ 0 & 1 \end{bmatrix}.$$

Solution:

We could apply row operations or use adjoint matrix or use a formula about inverse matrix of a 2×2 matrix, and get

$$A^{-1} = \begin{bmatrix} 1 & -\sqrt{2} \\ 0 & 1 \end{bmatrix}.$$