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WEEKS
27-30 Exam revision

Examination and revision resources

iCMA 44

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Finish attempt ...

Question 5 Not yet answered

Marked out of 1.00 | Flag question

If $\mathbf{A} = \begin{pmatrix} 6 & -8 \\ 7 & -9 \end{pmatrix}$, find a diagonal matrix \mathbf{D} such that $\mathbf{A} = \mathbf{PDP}^{-1}$, where \mathbf{P} is an invertible matrix.

The matrix $\mathbf{D} = \begin{pmatrix} a & 0 \\ 0 & d \end{pmatrix}$, where:

$a =$

and

$d =$

.

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