

IGCSE – Matrices Paper 2 – 2

Oct 04 Paper 2

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$$\mathbf{C} = \begin{pmatrix} 5 & -2 \\ 1 & 4 \end{pmatrix} \quad \mathbf{D} = \begin{pmatrix} 4 & 2 \\ -1 & 5 \end{pmatrix}$$

(a) Write as a single matrix

(i) $\mathbf{C} - 3\mathbf{D}$,

Answer(a)(i) $\begin{pmatrix} & \\ & \end{pmatrix}$ [2]

(ii) \mathbf{CD} .

Answer(a)(ii) $\begin{pmatrix} & \\ & \end{pmatrix}$ [2]

(b) Find \mathbf{C}^{-1} .

Answer(b) $\begin{pmatrix} & \\ & \end{pmatrix}$ [2]

May 05 Paper 2

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$$\mathbf{M} = \begin{pmatrix} x & 2x \\ 2x & x \end{pmatrix}.$$

Find

(a) $2\mathbf{M}$,

Answer (a) $\begin{pmatrix} & \\ & \end{pmatrix}$ [1]

(b) \mathbf{M}^2 .

Answer (b) $\begin{pmatrix} & \\ & \end{pmatrix}$ [2]