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24

$$\mathbf{A} = \begin{pmatrix} -2 & 1 \\ -3 & 4 \end{pmatrix}$$

$$\mathbf{B} = \begin{pmatrix} 3 & 2 \\ 2 & 2 \end{pmatrix}$$

Find

(a) $\mathbf{A} - \mathbf{B}$

$$\begin{pmatrix} & \\ & \end{pmatrix}$$

(2)

(b) $3\mathbf{A} + 2\mathbf{B}$

$$\begin{pmatrix} & \\ & \end{pmatrix}$$

(2)

The matrix \mathbf{C} is such that $\mathbf{A} = \mathbf{BC}$

(c) Find \mathbf{C}

$$\mathbf{C} = \begin{pmatrix} & \\ & \end{pmatrix}$$

(4)

(Total for Question 24 is 8 marks)

