

$$\mathbf{A} = \begin{pmatrix} 2k^2 & k-9 \\ -3k & k+1 \end{pmatrix} \qquad \mathbf{B} = \begin{pmatrix} 1 & -5 \\ 3 & k \end{pmatrix}$$

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(c) Hence, factorise completely $f(k)$ (4)

(d) find matrix \mathbf{C} (3)

$$\left[\text{Determinant of matrix } \begin{pmatrix} a & b \\ c & d \end{pmatrix} = ad - bc \right]$$

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Question 10 continued

Handwriting practice area with horizontal dotted lines.



P 6 9 3 1 0 A 0 2 7 3 2

Question 10 continued

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Question 10 continued

Handwriting practice area with horizontal dotted lines.

(Total for Question 10 is 12 marks)

