

DO NOT WRITE IN THIS AREA

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12 Find the matrix product

(a) $(3 \quad -2) \begin{pmatrix} 1 \\ -4 \end{pmatrix}$

.....
(1)

(b) $\begin{pmatrix} 1 \\ -4 \end{pmatrix} (3 \quad -2)$

.....
(2)

(Total for Question 12 is 3 marks)

13 Simplify fully $\frac{6x^3 - 12x^2y}{4xy - 8y^2}$

.....
(Total for Question 13 is 3 marks)

