12 Find the matrix product

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

....
(1)

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

....
(2)

(Total for Question 12 is 3 marks)

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

....

(Total for Question 13 is 3 marks)

DO NOT WRITE IN THIS AREA