

4 Given that $x > 0$ and that

$$\begin{pmatrix} -1 & 2 \\ -3 & -4 \\ 5 & -6 \end{pmatrix} \begin{pmatrix} 7 & -1 & xz \\ x^2 & x+2y & -y \end{pmatrix} = \begin{pmatrix} 1 & 1 & -4 \\ -37 & 3 & -22 \\ 11 & -5 & 24 \end{pmatrix}$$

find the value of x , the value of y and the value of z .

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(Total for Question 4 is 6 marks)

