

Answer ALL ELEVEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1
$$\begin{pmatrix} 3+y & -3 \\ 2 & 1 \end{pmatrix} \begin{pmatrix} -2 \\ x \end{pmatrix} = \begin{pmatrix} -16 \\ 4 \end{pmatrix}$$

Find the value of x and the value of y .

DO NOT WRITE IN THIS AREA

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(Total for Question 1 is 4 marks)

