DO NOT WRITE IN THIS AREA

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18

$$\mathbf{A} = \begin{pmatrix} 3 & 4 \\ p & 2 \end{pmatrix} \quad \mathbf{B} = \begin{pmatrix} 4 & 2p \\ 2q & -3 \end{pmatrix}$$

Given that $3\mathbf{A} + 2\mathbf{B} = \begin{pmatrix} 17 & 4 \\ -7 & 0 \end{pmatrix}$

find the value of p and the value of q.

$p =$ .....

$q =$ .....

(Total for Question 18 is 4 marks)