IGCSE – Matrices Paper 2&4 - 1

	M-1 02 P		:	
	May 03 Paper 2	,		
4	$\mathbf{a} = \begin{pmatrix} 2 \\ -3 \end{pmatrix}$ and $\mathbf{b} = \begin{pmatrix} 5 \\ -1 \end{pmatrix}$.	Find 3a – 2b.	:	
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			Answer	ţ

May 03 Paper 2

14 (a) Multiply
$$\begin{pmatrix} 5 & 4 \\ -3 & -2 \end{pmatrix} \begin{pmatrix} 2 & 1 & -4 \\ 0 & 3 & 6 \end{pmatrix}$$
.

[2]

(b) Find the inverse of
$$\begin{pmatrix} 5 & 4 \\ -3 & -2 \end{pmatrix}$$
.

May 04 Paper 4

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$$A = (5 - 8)$$
 $B = \begin{pmatrix} 2 & 6 \\ 5 & -4 \end{pmatrix}$ $C = \begin{pmatrix} 4 & 6 \\ 5 & -2 \end{pmatrix}$ $D = \begin{pmatrix} 4 \\ -2 \end{pmatrix}$

(a) Which one of the following matrix calculations is not possible?

(b) Calculate BC.

Answer(b)
$$BC = \begin{pmatrix} & & \\ & & \end{pmatrix}$$
 [2]

(c) Use your answer to part (b) to write down B⁻¹, the inverse of B.

$$Answer(c) B^{-1} = \left(\begin{array}{c} \\ \end{array} \right)$$
 [1]