

DO NOT WRITE IN THIS AREA

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18  $\vec{OA} = \begin{pmatrix} 4 \\ -2 \end{pmatrix}$  and  $\vec{OB} = \begin{pmatrix} -2 \\ 6 \end{pmatrix}$

(a) Find  $\vec{AB}$  as a column vector.

$$\vec{AB} = \begin{pmatrix} \phantom{0} \\ \phantom{0} \end{pmatrix}$$

(2)

(b) Calculate the modulus of  $\vec{AB}$

.....  
(2)

(Total for Question 18 is 4 marks)

