

DO NOT WRITE IN THIS AREA

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

- (a) Find \overrightarrow{AB} as a column vector.

$$\overrightarrow{AB} = \begin{pmatrix} \\ \end{pmatrix}$$

(2)

- (b) Calculate the modulus of \overrightarrow{AB}

(2)

(Total for Question 18 is 4 marks)

