17 $\overrightarrow{OA} = \begin{pmatrix} 3 \\ -2 \end{pmatrix}$ $\qquad \overrightarrow{BA} = \begin{pmatrix} 5 \\ -9 \end{pmatrix}$

(a) Find the position vector of the point B

$$\begin{pmatrix} \\ \\ \end{pmatrix}$$

(2)

(b) Calculate $\left| \overrightarrow{OB} \right|$, giving your answer as a surd.

$\left| \overrightarrow{OB} \right| =$ ....

(2)

(Total for Question 17 is 4 marks)