3 $\triangle OAB$ (call) ($\vec{a} = \overrightarrow{OA}$, $\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{OB}$ ($\vec{b} = \overrightarrow{OB}$) and $\vec{b} = \overrightarrow{$

$$|\vec{a}| = 3, \quad |\vec{b}| = 5, \quad \cos(\angle AOB) = \frac{3}{5}$$

とする.このとき, $\angle AOB$ の 2 等分線と,B を中心とする半径 $\sqrt{10}$ の円との交点の,O を原点とする位置ベクトルを, \vec{a} , \vec{b} を用いてあらわせ.