### 20th July

Convert the following recurring decimal to a fraction

\[ 1.6\overline{4} \]

\[ \overrightarrow{OC} = 8a \]
\[ \overrightarrow{OA} = 4b \]
\[ \overrightarrow{AB} = 2b \]
\[ \overrightarrow{OL} = 6a \]

M is the midpoint of AC

\[ \overrightarrow{LM} \]

Show that L, M and B lie on a straight line.

Express as a single fraction

\[ \frac{b}{a} = \frac{a - 1}{b + 1} \]

Write down the coordinates of the minimum point on the curve

\[ y = x^2 - 6x - 20 \]