Given

\[ 2y = \frac{1}{8} \]

Find \( y \)

Show the equation \( x^2 - 4x + 1 = 0 \) can be written in the form

\[ x = 4 - \frac{1}{x} \]

Starting with \( x_0 = 3 \), use the iteration formula

\[ x_{n+1} = 4 - \frac{1}{x_n} \]

twice to find an estimate of the solution of \( x^2 - 4x + 1 = 0 \)

Express these vectors in terms of \( x \) and \( y \)

\[ \vec{BC} \]

\[ \vec{BM} \]

\[ \vec{AM} \]

ABC is a triangle. 
M lies on BC such that \( BM = \frac{4}{5} BC \)

Express these vectors in terms of \( x \) and \( y \)

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