12th September

Find the equation of the line drawn.

How many points of intersection does the line shown and \( y = x^3 \) have?

Solve, giving your answers to one decimal place.

\[ 3x^2 - 10x + 4 = 0 \]

Calculate the length of BF

Write down a vector for \( \overrightarrow{OB} \)

Point D is the midpoint of BC. Point E is the midpoint of AC.