5.

To find the vertical asymptote : We must set the denominator equal to 0 and solve: ${
m e}^3$ – 1=0

e=1 There is a vertical asymptote at e=1

To find the horizontal asymptote : First we must compare the degrees of the polynomials. The numerator contains a 2nd degree polynomial while

the denominator contains a 3rd degree polynomial.

Since the polynomial in the numerator is a lower degree than the denominator, the horizontal asymptote is located at a=0. To find the oblique asymptote: Since the degrees of the numerator are less than the degrees of the denominator, this rational does not have an oblique asymptote $\begin{array}{c}
a \\
0.6 \\
0.4 \\
0.2
\end{array}$

-0.2 -0.4 -0.6 5

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