Ι.

 $(v^2-4)(v^2+4)=0$

We must set the denominator equal to 0 and solve: $v^4\!-\!16\!=\!0$

To find the vertical asymptote :

 $(v^2-4)=0$ (v-2)(v+2)=0v=2 or v=-2

There is vertical asymptote at v=2 and at v=-2
To find the horizontal asymptote :

First we must compare the degrees of the polynomials

First we must compare the degrees of the polynomials.

The numerator contains a 3rd degree polynomial while the

denominator contains a 4^{th} degree polynomial.

Since the polynomial in the numerator is a lower degree than the denominator,

Since the polynomial in the numerator is a the horizontal asymptote is located at q=0. To find the oblique asymptote :

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

this rational does not have an oblique asymptote $\begin{bmatrix} 0.6 \\ 0.4 \\ 0.2 \end{bmatrix}$