$c^4 - 625 = 0$ $(c^2-25)(c^2+25)=0$ $(c^2 - 25) = 0$ (c-5)(c+5)=0

denominator contains a 4th degree polynomial.

the horizontal asymptote is located at k=0.

We must set the denominator equal to 0 and solve:

First we must compare the degrees of the polynomials. The numerator contains a 3rd degree polynomial while the

To find the vertical 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 0.2 -1010 -0.2

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