- 15

We must set the denominator equal to 0 and solve:  $h^3 - 27 = 0$ 

To find the vertical asymptote :

There is a vertical asymptote at h=3 To find the horizontal asymptote :

First we must compare the degrees of the polynomials.

The numerator contains a 2<sup>nd</sup> degree polynomial while the denominator contains a 3<sup>rd</sup> degree polynomial.

Since the polynomial in the numerator is a lower degree than the denominator, the horizontal asymptote is located at f=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 0.2 15 -10 -5 5 10

-0.2

-0.6