To find the vertical asymptote : We must set the denominator equal to 0 and solve:

 $m^4 - 256 = 0$ $(m^2-16)(m^2+16)=0$

 $(m^2 - 16) = 0$

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

There is vertical asymptote at m=4 and at m=-4

denominator contains a 4th degree polynomial.

the horizontal asymptote is located at n=0.

this rational does not have an oblique asymptote

To find the horizontal asymptote :

To find the oblique asymptote :

(m-4)(m+4)=0

m=4 or m=-4

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

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Since the degrees of the numerator are less than the degrees of the denominator,