4.

- 15

-10

We must set the denominator equal to 0 and solve: $c^3 - 64 = 0$

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

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c=4 There is a vertical asymptote at c=4

To find the horizontal asymptote : First we must compare the degrees of th

To find the vertical asymptote :

To find the oblique asymptote :

First we must compare the degrees of the polynomials. The numerator contains a 2nd degree polynomial while

the horizontal asymptote is located at d=0.

the denominator contains a 3rd degree polynomial.

Since the degrees of the numerator are less than the degrees of the denominator, this rational does not have an oblique asymptote