1.

We must set the denominator equal to 0 and solve: $s^3 - 8 = 0$

To find the vertical asymptote :

s=2
There is a vertical asymptote at s=2
To find the horizontal asymptote :

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

The numerator contains a 2nd degree polynomial while

the denominator contains a 3^{rd} 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 denominator, this rational does not have an oblique asymptote $2 \int_{0}^{1} \left[\frac{1}{2} \right]_{0}^{1}$

this rational does not have an oblique asymptote