To find the vertical asymptote :

We must set the denominator equal to 0 and solve: j + 4 = 0i = -4

There is a vertical asymptote at j=-4To find the horizontal asymptote :

First we must compare the degrees of the polynomials. Both the numerator and denominator are $\mathtt{1}^{\mathsf{st}}$ degree polynomials.

Since they are the same degree, we must divide the coefficients of the highest terms. In the numerator, the coefficient of the highest term is 2

In the denominator, the coefficient of the highest term is an understood 1. The horizontal asymptote is at t=2To find the oblique asymptote : Since the degrees of the numerator and the denominator are the same,

this rational does not have an oblique asymptote -10-5 5 10 15

-15