It so happens that this function can be simplified as: $C(V) = \frac{-15+14 \text{ v}+8 \text{ v}^2}{5+2 \text{ v}}$

 $=\frac{(2 \text{ V}+5) (4 \text{ V}-3)}{2 \text{ V}+5}$ =4 v - 3

To find the vertical asymptote : There is no vertical 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 1st degree polynomial. Since the polynomial in the numerator is a higher degree than the denominator,

there is no horizontal asymptote. To find the oblique asymptote :

-40

-60

we must divide the numerator by the denominator and so the oblique asymptote <code>f=4v-3</code> 60 40 20 -10-5 5 10 -20