It so happens that this function can be simplified as: $r(g) = \frac{-6-5 g+6 g^2}{2+3 g}$ $= \frac{(2 g-3) (3 g+2)}{3 g+2}$ =2 q - 3To 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 : we must divide the numerator by the denominator and so the oblique asymptote h=2 ${
m g}$ – ${
m 3}$ 30 20

