MATHEMATICS ASSIGNMENTS FOR L4 SOD-B

Find the asymptotes of a function :
(horizontal asymptotes, vertical asymptotes and/or slant asymptotes of a function)

a) $y = \dfrac{x}{x+4}$

b) $y = \dfrac{1-x^2}{x-2}$

c) $y = \dfrac{2x^2}{2x-1}$

d) $y = \dfrac{x^2+1}{x}$

e) $y = \dfrac{2x^2-1+3x^3}{3-2x^2}$

f) $y = \dfrac{x^2-9}{1-x}$

g) $y = \dfrac{x^2+6x}{x+2}$

h) $y = \dfrac{2x}{x^2+1}$

i) $y = 3x + \dfrac{3}{x-2}$

j) $y = \dfrac{2x^3-5x^2+x-4}{4-x^2}$

k) $y = \dfrac{x^2-3}{x^3-1}$

l) $y = \dfrac{x^3-3}{x^3-1}$

m) $y = \dfrac{2x^2-5x}{x^2+1}$

n) $y = \dfrac{2x}{1-3x}$

o) $y = \dfrac{3x^2-2x^3+4}{4-4x+x^2}$

p) $y = \dfrac{x-1}{x^3-1}$

q) $y = \dfrac{2x^2+x+1}{8x}$

r) $y = \dfrac{1+x-3x^3}{x^2+x-2}$