Review of Graphing Rational Functions

    a) Find the Vertical Asymptote
    b) Find the Horizontal Asymptote
    c) Find the x-intercept
    d) Find the y-intercept
    e) Find any other important values that will help you sketch the graph

1) $y = \dfrac{x-1}{x^2-x-6}$ 2. $y = \dfrac{2x+1}{x^2-x}$

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

5) $y = \dfrac{-3}{x-1}$ 6. $y = \dfrac{2x^2+x-2}{x^2-1}$

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