Find the horizontal asymptote of the graph of each rational function.

19.
$$y = \frac{5}{x+6}$$

20.
$$y = \frac{x+2}{2x^2-4}$$

21.
$$y = \frac{x+1}{x+5}$$

Horizontal Asymptote:

Horizontal Asymptote:

Horizontal Asymptote:

22.
$$y = \frac{x^2 + 2}{2x^2 - 1}$$

23.
$$y = \frac{5x^3 + 2x}{2x^5 - 4x^3}$$

24.
$$y = \frac{3x - 4}{4x + 1}$$

Horizontal Asymptote:

Horizontal Asymptote:

Horizontal Asymptote:

Describe the vertical asymptotes and holes for the graph of each rational function.

10.
$$y = \frac{3}{x+2}$$

11.
$$y = \frac{x+5}{x+5}$$

12.
$$y = \frac{x+3}{(2x+3)(x-1)}$$

Vertical Asymptote(s):

Vertical Asymptote(s):

Vertical Asymptote(s):

Hole(s):

Hole(s):

Hole(s):

13.
$$y = \frac{(x+3)(x-2)}{(x-2)(x+1)}$$

14.
$$y = \frac{x^2 - 4}{x + 2}$$

15.
$$y = \frac{x+5}{x^2+9}$$

Vertical Asymptote(s):

Vertical Asymptote(s):

Vertical Asymptote(s):

Hole(s):

Hole(s):

Hole(s):