2.5 Practice Activity

Practice 2.5-1-1:

Find the domain of the rational function.

$$f(x) = \frac{x+2}{x^2 - x - 2}$$

Practice 2.5-2-1:

Find the vertical asymptotes and removable discontinuities of the function.

$$f(x) = \frac{x-2}{x^2 - 4}$$

Practice 2.5-3-1:

Find the horizontal asymptotes of the function.

$$f(x) = \frac{x^{3} - 1}{5x^{3} - 7x - 6}$$

p

q

Practice 2.5-3-2:

Find the horizontal asymptotes of the function.

$$f(x) = \frac{2x^{4} - 1}{5x^{2} + 3x - 6}$$

p

q