

E - Identifying Key Features of Graphs of Rational Functions - Notes

Identify the vertical asymptotes, x-intercepts, and horizontal asymptote of each rational function.

$$1) f(x) = \frac{x^2 + 6x + 8}{-4x}$$

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

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

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