

FROM THE BOOK: p 66/1, 7, 9, 15, 21-24, 29, 32

Graph the following rational functions, finding all intercepts and vertical asymptotes.

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

2. $y = \frac{2(x+1)(x-2)^2(x-4)}{(x-3)^2(x-1)}$

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