

1. (§4.5#11, 16,) Use the analysis presented in class (with parts A-G) to sketch the curves

(a) $f(x) = \frac{1}{x^2 - 9}$

(b) $f(x) = 1 + \frac{1}{x} + \frac{1}{x^2}$

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