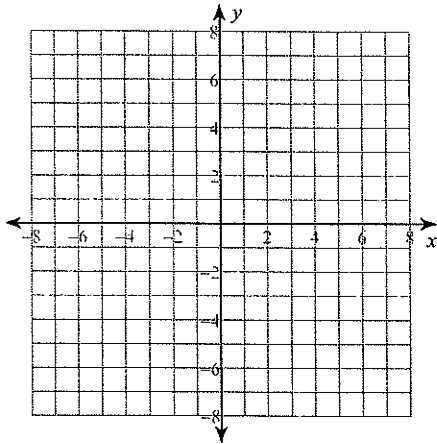


Assignment

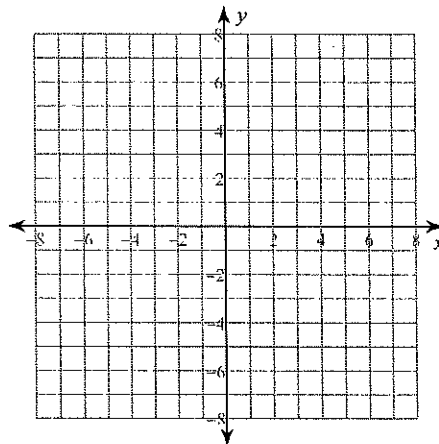
Date _____ Period _____

Identify the holes, vertical asymptotes, x-intercepts, y-intercepts, and horizontal asymptote of each. Then sketch the graph.

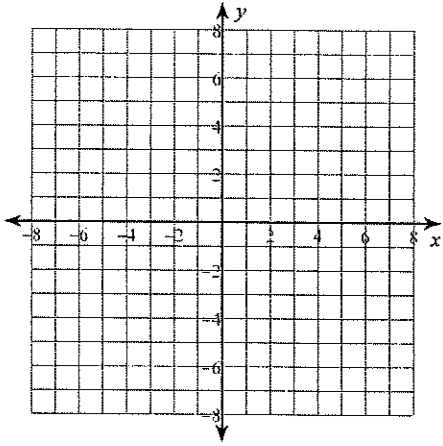
1) $f(x) = \frac{x+4}{-3x+3}$



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



$$3) f(x) = \frac{x^2 + 3x - 4}{x^2 + 7x + 12}$$



$$4) f(x) = \frac{3x - 9}{x - 2}$$

