

EXTRA CREDIT

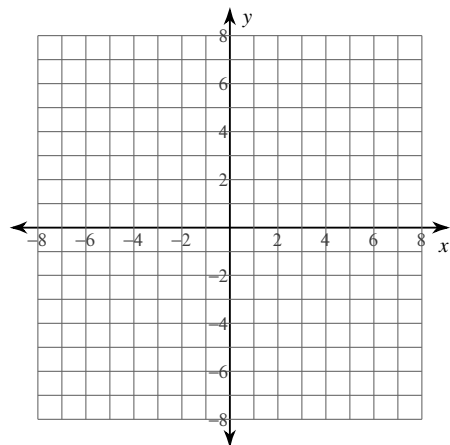
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Date _____ Period _____

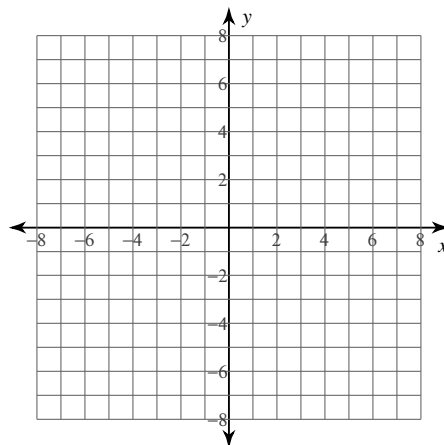
THIS IS DUE BEFORE 8:00 A.M. ON FRIDAY !!

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

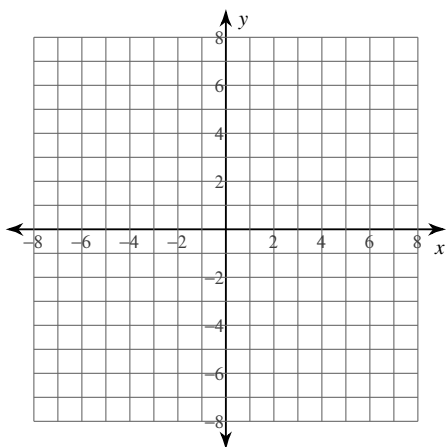
1) $f(x) = \frac{4x + 12}{x^2 - 9}$



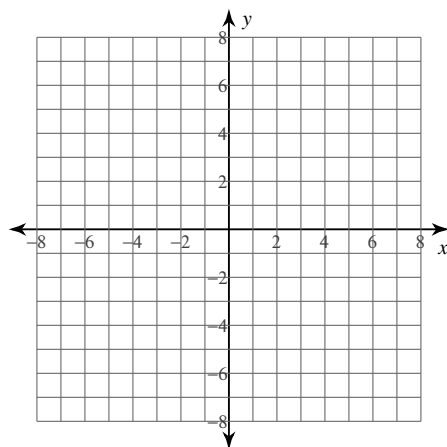
2) $f(x) = \frac{-3x + 3}{x^2 - 1}$



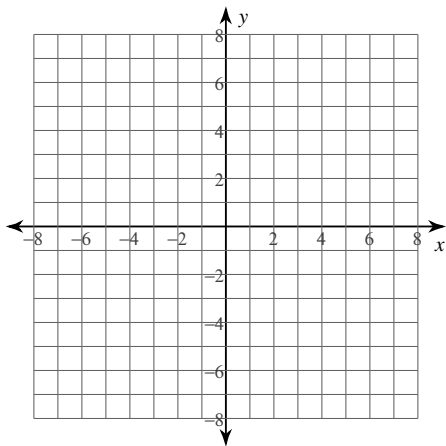
$$3) f(x) = \frac{3x-9}{x-1}$$



$$4) f(x) = \frac{x+1}{-3x+9}$$



$$5) f(x) = \frac{x^2-16}{-4x^2-24x-32}$$



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

