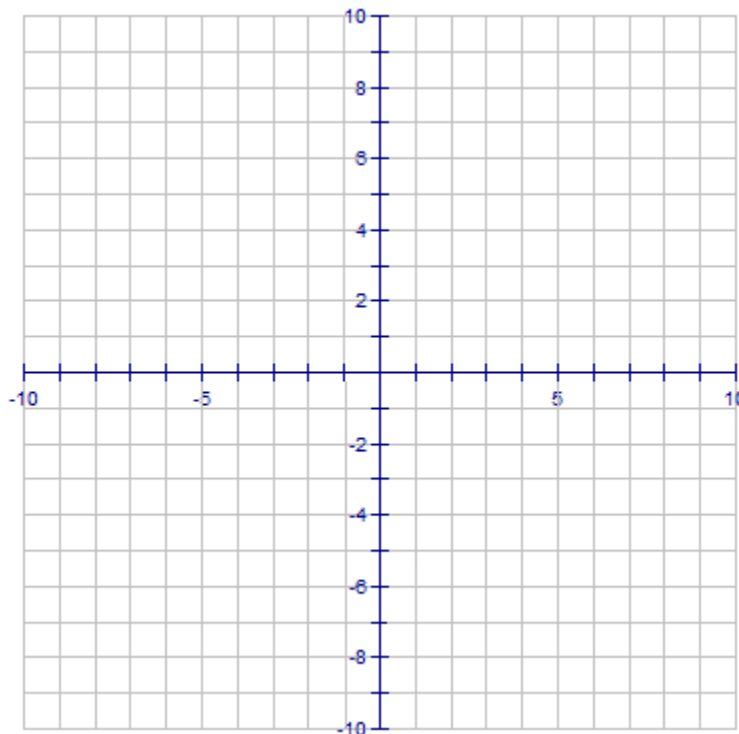


GRAPHING RATIONAL FUNCTIONS #1

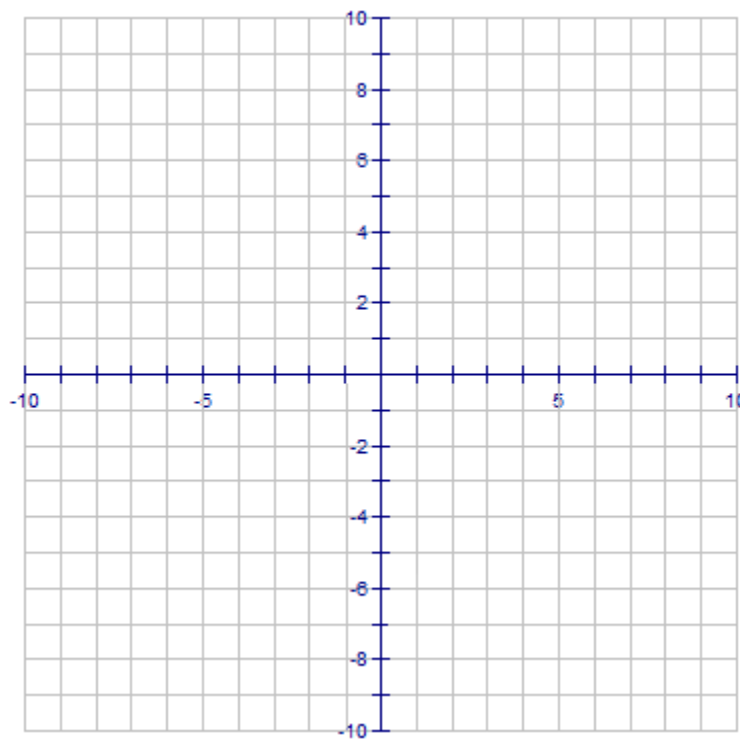
Directions: Identify any holes, asymptote, x -intercept, and y -intercept. Then sketch a graph.

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



HOLE(S)	VERTICAL ASYMPTOTE(S)	HORIZONTAL ASYMPTOTE	x -intercept(s)	y -intercept

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



HOLE(S)	VERTICAL ASYMPTOTE(S)	HORIZONTAL ASYMPTOTE	x -intercept(s)	y -intercept