Name:_____ Date:_____

PC: Even More Vertical, Horizontal and Oblique Asymptotes

Function	Hole(s)	Vertical Asymptote(s)	Horizontal Asymptote	Oblique Asymptote	*x*-intercept(s)	*y*-intercept
$y=\frac{x^2+x-2}{x^2-x-6}$						
$y=\frac{3}{x-2}$						
$y=\frac{2x^2}{x^2-1}$						
$y=\frac{2x-1}{x}$						
$y=\frac{x^2+x-12}{x^2-9}$						
$y=\frac{x^2-4}{x+3}$						

Function	Hole(s)	Vertical Asymptote (s)	Horizontal Asymptote	Oblique Asymptote	*x*-intercept(s)	*y*-intercept
$y=\frac{x^2-x}{x+1}$						
$y=\frac{x^2-x-2}{x-1}$						
$y=\frac{x+1}{x^2+3x+2}$						
$y=\frac{x^2-9}{x^2-2x-3}$						
$y=\frac{2x^3-17x^2-8x-9}{3-x^2}$						
$y=\frac{3x^3-9x^2+x-3}{x-3}$						