

Name: _____

Date: _____

PC: Vertical, Horizontal and Oblique Asymptotes

Ms. Loughran

Function	Hole(s)	Vertical Asymptote(s)	Horizontal Asymptote	Oblique Asymptote	x-intercept(s)	y-intercept
$y = \frac{x+2}{x^2-16}$						
$y = \frac{x^2-16}{x+2}$						
$y = \frac{2x^2}{x^2+4}$						
$y = \frac{2x^2+3x}{x}$						
$y = \frac{3x+21}{9-x}$						
$y = \frac{1}{(x+6)(x-1)}$						

Name: _____
 PC :More Vertical, Horizontal and Oblique Asymptotes

Date: _____
 Ms. Loughran

Function	Hole(s)	Vertical Asymptote(s)	Horizontal Asymptote	Oblique Asymptote	x-intercept(s)	y-intercept
$y = \frac{x-5}{x^2-4x-5}$						
$y = \frac{2x+1}{x^2}$						
$y = \frac{x-5}{x^2+1}$						
$y = \frac{2x}{x^2-x-6}$						
$y = \frac{-3x^2+2}{x-1}$						
$y = \frac{2x^3-17x^2-8x-9}{3-x^2}$						