

Name: _____

Date: _____

PCH: Practice with Vertical, Horizontal and Oblique Asymptotes

Ms. Loughran

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