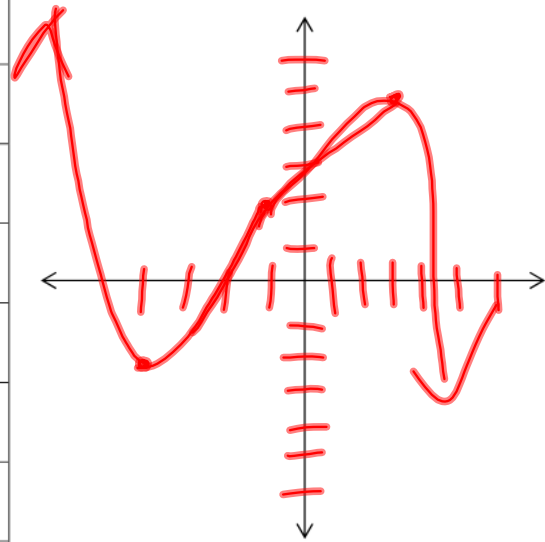


Complete the chart, then sketch the graph.

Calculus Chapter 3

	y	y'	y''	conclusion
$(-\infty, -4)$	X	-	+	dec CU
$x = -4$	-2			$(-4, -2)$
$(-4, -1)$	X	+	+	inc CU
$x = -1$	2			$(-1, 2)$
$(-1, 3)$	X	+	-	inc CD
$x = 3$	5			$(3, 5)$
$(3, \infty)$	X	-	-	dec CD



	y	y'	y''	
$(-\infty, -5)$	X	+	+	inc CU
$x = -5$				asymptote
$(-5, -2)$	X	+	-	inc CD
$x = -2$	0			$(-2, 0)$
$(-2, 1)$	X	+	+	inc CU
$x = 1$				asymptote
$(1, 3)$	X	-	+	dec CU
$x = 3$	2			$(3, 2)$
$(3, \infty)$	X	+	+	inc CU

