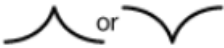





Name: _____

Unit 2- Curve Sketching

WORKBOOK

MCV4U

graph feature	$f(x)$	$f'(x)$	$f''(x)$	Notes
rising (L to R)	slope > 0	+		
falling (L to R)	slope < 0	-		
extrema	maximum	slope = 0 = 0 + on L - on R	- at x_{\max}	derivative may not exist at a max or min, e.g. 
	minimum	slope = 0 = 0 - on L + on R	+ at x_{\min}	
inflection pt.	Curvature changes: 		= 0 potential inflection point	Check $f''(x)$ on either side of a potential inflection point.
concave up		- +	+	
concave down		+ -	-	

