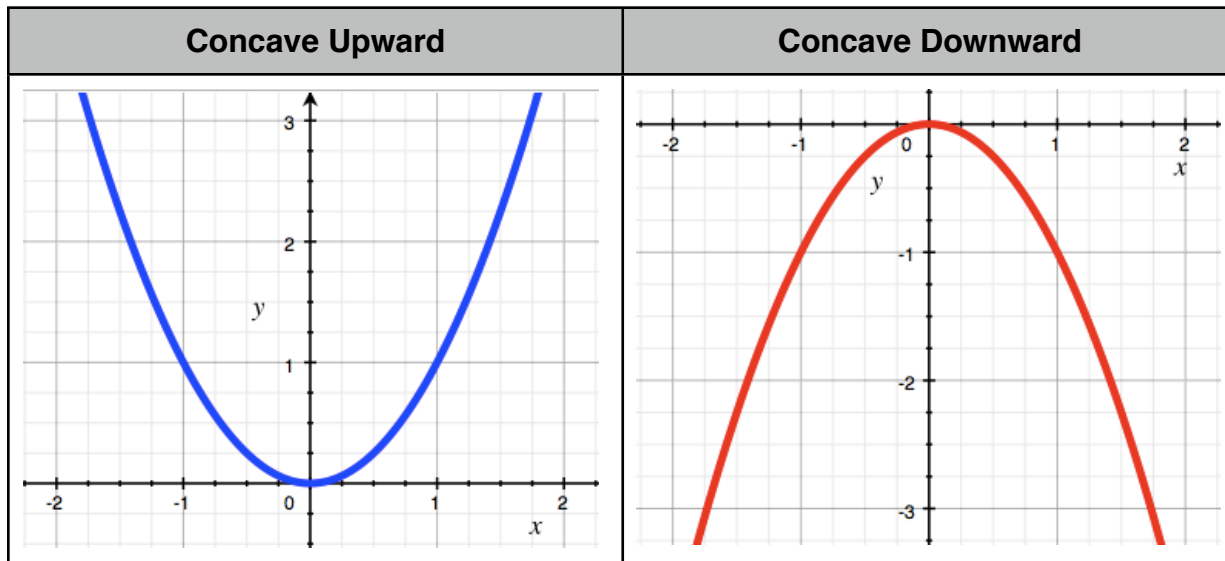


Maxima and Minima



Curve	slope	y''	point
Concave upward	increasing	(+) positive	minimum
Concave downward	decreasing	(-) negative	maximum

Rules for drawing curves

y'	y''	$y=f(x)$
+		increasing
-		decreasing
0		horizontal tangent at that point
	+	concave upward (holds water)
	-	concave downward (spills water)
	0	has a point of inflection, IF y'' is positive on one side of the point, and negative on the other side of the point
0	+	the point is a <i>local minimum</i>
0	-	the point is a <i>local maximum</i>