

Sign Chart Here is the sign chart based on the results of the two previous steps.

x	$-\sqrt{3}$	-1	0	1	$\sqrt{3}$
y'	$-$	$-$	$+$	$-$	$+$
y''	$+$	0	$-$	$-$	0
y	\searrow	\swarrow	\nearrow	\searrow	\swarrow

Graph Here is the graph based on the 6 steps above:

