

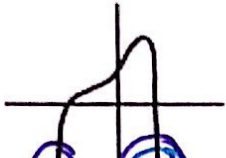
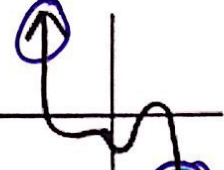


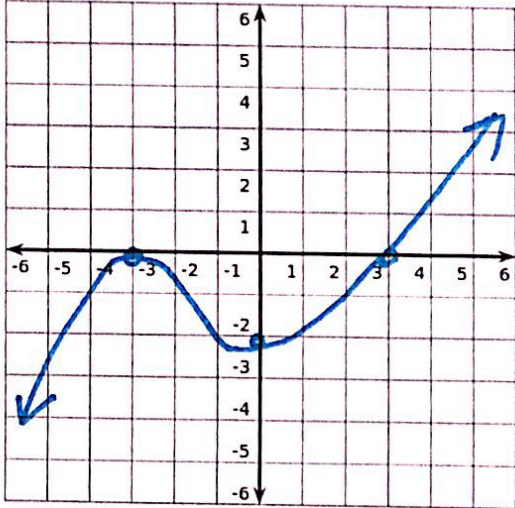
End Behavior, Extrema, and Intervals for Increasing/Decreasing

End Behavior:

		exponent *	
		even	odd
coefficient	positive	 $y = x^2$	 $y = x$
	negative	 $y = -x^2$	 $y = -x$

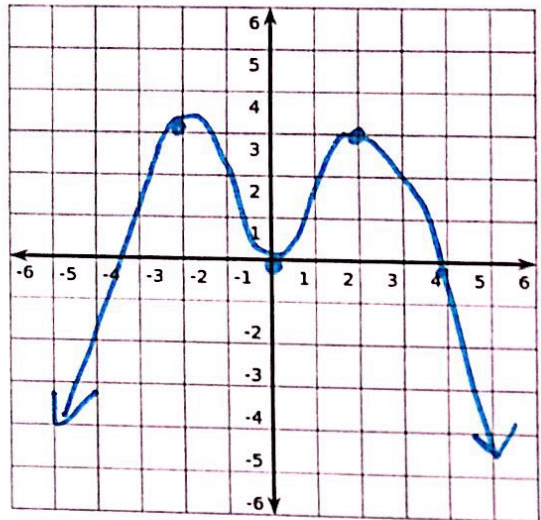
State the type of exponent and coefficient of the leading term for the following graphs.

EX1.



odd exponent
positive coefficient

EX2.



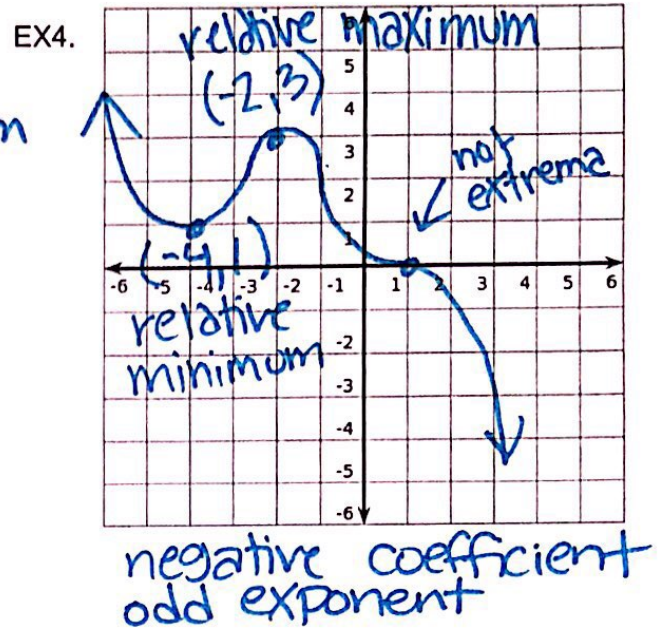
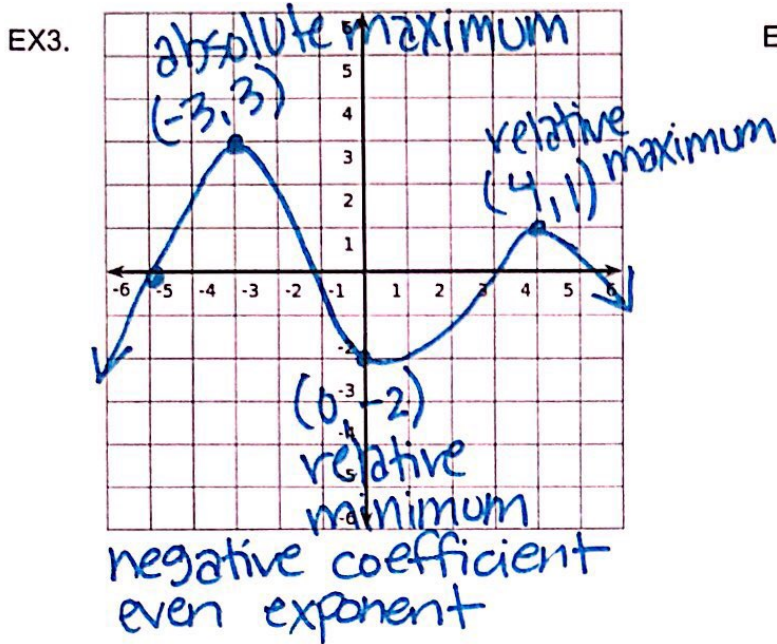
even exponent
negative coefficient

Extrema:

absolute minimum/maximum - absolute highest/lowest point on the graph

relative minimum/maximum - highest/lowest point on an area of the graph

For the following graphs, state the maximums and minimums and if they are absolute or relative.

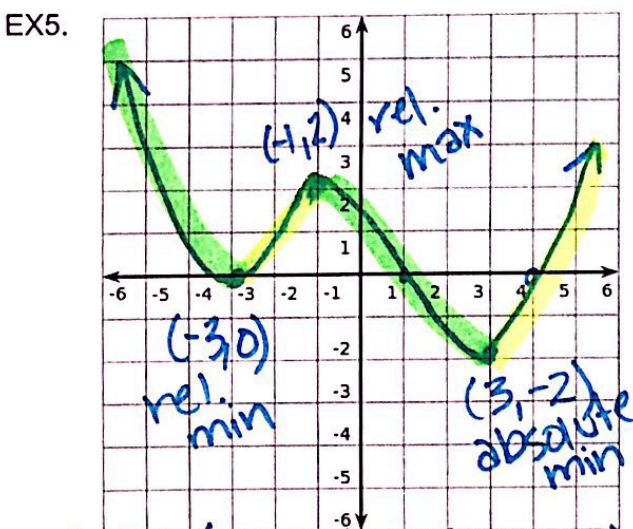


Intervals for Increasing/Decreasing

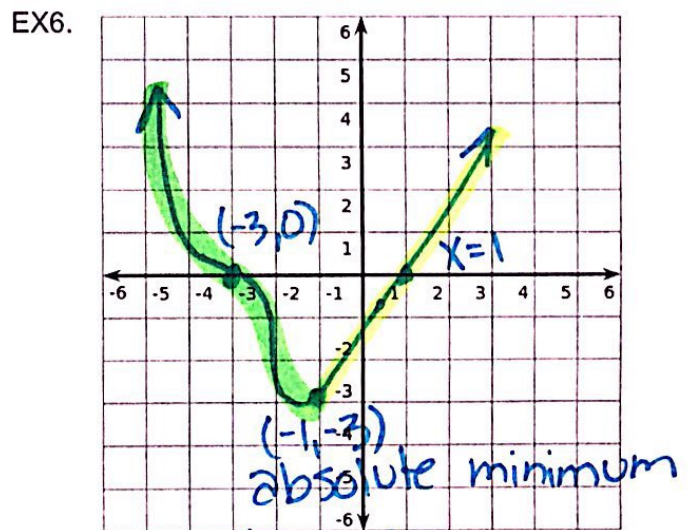
Start by finding the extrema. Use the x-coordinates only to write the intervals!!

like domain

State the intervals of increasing and the intervals of decreasing for the following graphs



Inc: $(-3, -1) \cup (3, \infty)$
Dec: $(-\infty, -3) \cup (-1, 3)$
even exponent, positive coefficient



Inc: $(-1, \infty)$
Dec: $(-\infty, -1)$
even exponent, positive coefficient