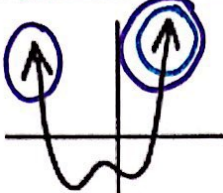
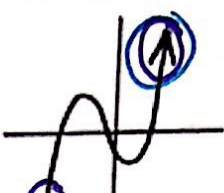
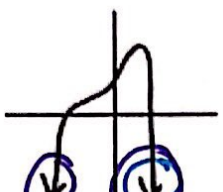
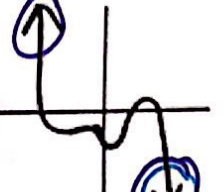


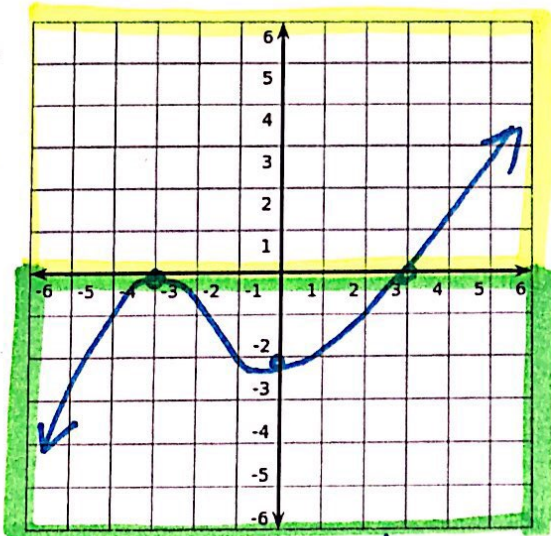
End Behavior, Extrema, and Intervals for Increasing/Decreasing

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

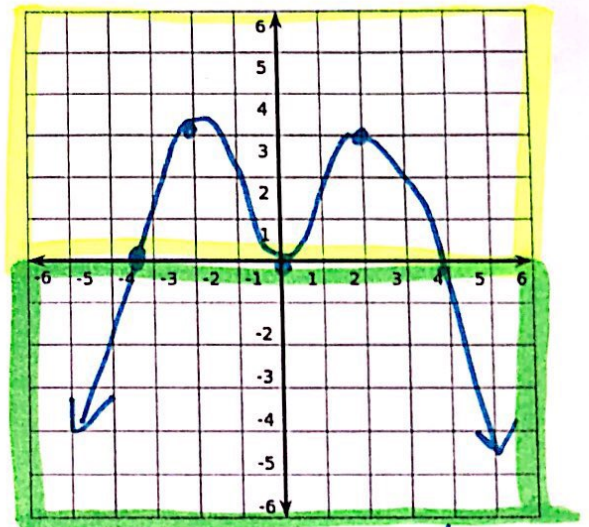
positive: $(3, \infty)$

negative: $(-\infty, -3) \cup (-3, 3)$

zeros: $x = 3$ m1
 $x = -3$ m2

End Behavior:
(\downarrow , \uparrow)

EX2.



even exponent
negative coefficient

pos: $(-3.5, 0) \cup (0, 4)$

neg: $(-\infty, -3.5) \cup (4, \infty)$

zeros: $x = -4$ m1 EB
 $x = 0$ m2 (\downarrow , \downarrow)
 $x = 4$ m1