

mobius

Function End Behaviour (Polynomials) - Power and Coefficient to Behaviour



1		2	
highest newer - 6	What end behaviour would this power and coefficient create?	highest newer — 1	What end behaviour would this power and coefficient create?
highest power = 6		$highest\ power = 1$	
leading coefficient $= -2$		leading coefficient $= -2$	
3		4	
highest power $= 3$	What end behaviour would this power and coefficient create?	highest power $= 7$	What end behaviour would this power and coefficient create?
leading coefficient $= -2$		leading coefficient $= -5$	_
	as $x \to \infty$, $y \to -\infty$		as $x \to \infty$, $y \to -\infty$
	$\left \text{as } x \to -\infty, y \to -\infty \right $		$\operatorname{Bs} x \to -\infty$, $y \to -\infty$
	as $x \to \infty$, $y \to -\infty$		as $x \to \infty$, $y \to \infty$
5 highest power $= 6$	What end behaviour would this power and coefficient create?	$oldsymbol{highest}$ highest power $=1$	What end behaviour would this power and coefficient create?
leading coefficient $= 5$		leading coefficient $= 3$	As $x \to -\infty$, $y \to \infty$ as $x \to \infty$, $y \to -\infty$
7		8	
highest power $= 5$	What end behaviour would this power and coefficient create?	$highest\ power = 1$	What end behaviour would this power and coefficient create?
	Δ		Δ
reading coefficient $= -3$	as $x \to \infty$, $y \to -\infty$	leading coefficient = -4	$ \text{as } x \to -\infty, y \to \infty \\ \text{as } x \to \infty, y \to -\infty $
	Bas $x \to -\infty$, $y \to \infty$		$\operatorname{as} x \to -\infty, y \to -\infty$
	as $x \to \infty$, $y \to \infty$		as $x \to \infty$, $y \to \infty$