

mobius

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



as $x \to -\infty$, $y \to -\infty$	A function with which highest power and leading coefficient would have this end behaviour?	as $x ightarrow -\infty$, $y ightarrow -\infty$	A function with which highest power and leading coefficient would have this end behaviour?
as $x \to \infty$, $y \to -\infty$	A highest power = 7 leading coefficient = -5	as $x \to \infty$, $y \to \infty$	A highest power $= 6$ leading coefficient $= 3$
	${\sf B}$ highest power $= 6$ leading coefficient $= -5$		$\begin{array}{ll} B & highest\;power = 5 \\ leading\;coefficient = 3 \end{array}$
as $x \to -\infty$, $y \to \infty$	A function with which highest power and leading coefficient would have this end behaviour?	as $x ightarrow -\infty$, $y ightarrow \infty$	A function with which highest power and leading coefficient would have this end behaviour?
as $x \to \infty$, $y \to \infty$	$ \begin{array}{ll} {\sf A} & {\sf highest\ power} = {\sf 4} \\ {\sf leading\ coefficient} = {\sf 5} \end{array} $	as $x \to \infty$, $y \to -\infty$	A highest power $= 1$ leading coefficient $= -3$
	${\sf B}$ highest power $=$ 4 leading coefficient $=$ $-$ 5		B highest power = 2 leading coefficient = -3