

## mobius

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



$\label{eq:local_problem} \textbf{highest power} = odd$	Which highest power and leading coefficient fits this end behaviour description?	$\label{eq:power} \textbf{1}$ highest power $=$ even	Which highest power and leading coefficient fits this end behaviour description?
leading coefficient = positive	A highest power = 2	$leading\ coefficient = positive$	A highest power = 3
	leading coefficient = 2		leading coefficient $= 5$
	$B  highest \; power = 1$		B highest power = 2
	leading coefficient = 2		${\sf leading\ coefficient} = {\sf 5}$
<b>3</b> highest power = even	Which highest power and leading coefficient fits this end behaviour description?	<b>4</b> highest power = odd	Which highest power and leading coefficient fits this end behaviour description?
${\sf leading\ coefficient} = {\sf negative}$	A highest power = 2	${\sf leading\ coefficient} = {\sf negative}$	A highest power = 8
	${\sf leading\ coefficient} = 3$		leading coefficient = -5
	B highest power = 2		B highest power $= 7$
	leading coefficient $= -3$		leading coefficient = -5