mobius

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

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1

highest power $= 6$

leading coefficient $= -2$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to -\infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to \infty$

2

highest power $= 1$

leading coefficient $= -2$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to -\infty$
	as $x \to \infty, y \to \infty$
B	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$

3

highest power $= 3$

leading coefficient $= -2$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to -\infty$
	as $x \to \infty, y \to -\infty$

4

highest power $= 7$

leading coefficient $= -5$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to -\infty$
	as $x \to \infty, y \to \infty$

5

highest power $= 6$

leading coefficient $= 5$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to \infty$

6

highest power $= 1$

leading coefficient $= 3$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to -\infty$
	as $x \to \infty, y \to \infty$

7

highest power $= 5$

leading coefficient $= -3$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to \infty$

8

highest power $= 1$

leading coefficient $= -4$

What end behaviour would this power and coefficient create?

A	as $x \to -\infty, y \to \infty$
	as $x \to \infty, y \to -\infty$
B	as $x \to -\infty, y \to -\infty$
	as $x \to \infty, y \to \infty$