



Function End Behaviour (Polynomials) - Rule to Behaviour



1

What end behaviour would this power and coefficient create?

highest power = even

leading coefficient = negative

A as $x \rightarrow -\infty, y \rightarrow \infty$
as $x \rightarrow \infty, y \rightarrow \infty$

B as $x \rightarrow -\infty, y \rightarrow -\infty$
as $x \rightarrow \infty, y \rightarrow -\infty$

2

What end behaviour would this power and coefficient create?

highest power = even

leading coefficient = positive

A as $x \rightarrow -\infty, y \rightarrow \infty$
as $x \rightarrow \infty, y \rightarrow \infty$

B as $x \rightarrow -\infty, y \rightarrow -\infty$
as $x \rightarrow \infty, y \rightarrow -\infty$

3

What end behaviour would this power and coefficient create?

highest power = odd

leading coefficient = negative

A as $x \rightarrow -\infty, y \rightarrow \infty$
as $x \rightarrow \infty, y \rightarrow \infty$

B as $x \rightarrow -\infty, y \rightarrow \infty$
as $x \rightarrow \infty, y \rightarrow -\infty$

4

What end behaviour would this power and coefficient create?

highest power = odd

leading coefficient = positive

A as $x \rightarrow -\infty, y \rightarrow -\infty$
as $x \rightarrow \infty, y \rightarrow \infty$

B as $x \rightarrow -\infty, y \rightarrow \infty$
as $x \rightarrow \infty, y \rightarrow -\infty$