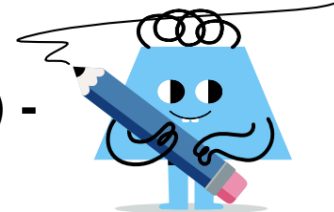




Function End Behaviour (Polynomials) - Behaviour to Rule

**1**

What does this end
behaviour tell us about a
function's highest power
and leading coefficient?

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

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

A highest power = odd
leading coefficient = negative

B highest power = even
leading coefficient = negative

2

What does this end
behaviour tell us about a
function's highest power
and leading coefficient?

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

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

A highest power = odd
leading coefficient = positive

B highest power = even
leading coefficient = positive

3

What does this end
behaviour tell us about a
function's highest power
and leading coefficient?

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

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

A highest power = odd
leading coefficient = negative

B highest power = odd
leading coefficient = positive

4

What does this end
behaviour tell us about a
function's highest power
and leading coefficient?

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

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

A highest power = odd
leading coefficient = positive

B highest power = even
leading coefficient = positive