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

1

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

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

A function with which highest power and leading coefficient would have this end behaviour?

A	highest power = 7 leading coefficient = −5
B	highest power = 6 leading coefficient = −5

2

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

as $x \to \infty, y \to \infty$

A function with which highest power and leading coefficient would have this end behaviour?

A	highest power = 6 leading coefficient = 3
B	highest power = 5 leading coefficient = 3

3

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

as $x \to \infty, y \to \infty$

A function with which highest power and leading coefficient would have this end behaviour?

A	highest power = 4 leading coefficient = 5
B	highest power = 4 leading coefficient = −5

4

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

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

A function with which highest power and leading coefficient would have this end behaviour?

A	highest power = 1 leading coefficient = −3
B	highest power = 2 leading coefficient = −3