



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

1 Which function has this power and coefficient?
highest power = 3
leading coefficient = 4

A $f(x) = 4x^3 + 4x^2 + 4x$

B $f(x) = -4x^3 + 4x^2 + 4x$

2 Which function has this power and coefficient?
highest power = 1
leading coefficient = 4

A $f(x) = 4x - 3$

B $f(x) = -4x - 3$

3 Which function has this power and coefficient?
highest power = 5
leading coefficient = 2

A $f(x) = 2x^5 - 3x^4 - 3x^3$

B $f(x) = 2x^6 - 3x^5 - 3x^4$

4 Which function has this power and coefficient?
highest power = 6
leading coefficient = 4

A $f(x) = -4x^6 - 2x^5 - 2x^4$

B $f(x) = 4x^6 - 2x^5 - 2x^4$

5 Which function has this power and coefficient?
highest power = 2
leading coefficient = 4

A $f(x) = 4x^2 - 5x - 5$

B $f(x) = -4x^2 - 5x - 5$

6 Which function has this power and coefficient?
highest power = 6
leading coefficient = -5

A $f(x) = 5x^6 - 4x^5 - 4x^4$

B $f(x) = -5x^6 - 4x^5 - 4x^4$

7 Which function has this power and coefficient?
highest power = 3
leading coefficient = 5

A $f(x) = 5x^3 - 3x^2 - 3x$

B $f(x) = -5x^3 - 3x^2 - 3x$

8 Which function has this power and coefficient?
highest power = 7
leading coefficient = -4

A $f(x) = -4x^8 + 2x^7 + 2x^6$

B $f(x) = -4x^7 + 2x^6 + 2x^5$