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

1 What is the highest power and leading coefficient of this function?

$$f(x) = -2x^7 - 3x^6 - 3x^5$$

A highest power $= 7$
leading coefficient $= -3$

B highest power $= 7$
leading coefficient $= -2$

2 What is the highest power and leading coefficient of this function?

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

A highest power $= 3$
leading coefficient $= 5$

B highest power $= 3$
leading coefficient $= -5$

3 What is the highest power and leading coefficient of this function?

$$f(x) = -3x + 2$$

A highest power $= 1$
leading coefficient $= -3$

B highest power $= 1$
leading coefficient $= 3$

4 What is the highest power and leading coefficient of this function?

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

A highest power $= 7$
leading coefficient $= 5$

B highest power $= 7$
leading coefficient $= -5$

5 What is the highest power and leading coefficient of this function?

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

A highest power $= 3$
leading coefficient $= 5$

B highest power $= 3$
leading coefficient $= -5$

6 What is the highest power and leading coefficient of this function?

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

A highest power $= 3$
leading coefficient $= 4$

B highest power $= 3$
leading coefficient $= -4$

7 What is the highest power and leading coefficient of this function?

$$f(x) = -2x^2 + 5x + 5$$

A highest power $= 2$
leading coefficient $= -2$

B highest power $= 1$
leading coefficient $= -2$

8 What is the highest power and leading coefficient of this function?

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

A highest power $= 1$
leading coefficient $= -4$

B highest power $= 1$
leading coefficient $= 4$