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Algebra /

Degree and leading coefficient of a univariate polynomial

Degree and leading coefficient of a univariate polynomial

What are the degree and leading coefficient of the polynomial?

$$9v + v^4 - 8 \quad \text{correct order: } \boxed{v^4} + 9v - 8$$

Degree:
 Leading coefficient:

Degree: highest exponent
 Leading coefficient: # in front of the term w/ the highest exponent

Degree and leading coefficient of a univariate polynomial

What are the leading coefficient and degree of the polynomial?

$$-10x - 2 + 15x^3$$

Leading coefficient:
 Degree:

$$\boxed{15}x^{\textcircled{3}} - 10x - 2$$

Degree: 3

LC: 15

Degree and leading coefficient of a univariate polynomial

What are the degree and leading coefficient of the polynomial?

$$12 + 9v^3 + 3v - 20v^6$$

Degree:
 Leading coefficient:

$$\boxed{-20}v^{\boxed{6}}$$

Degree: 6

LC: -20

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