

POLYNOMIAL WORKSHEET

Question 1

Easy

What is the degree of the polynomial $3x^4 + 2x^2 - 5$?

2

3

4

5

6

Question 2

Easy

Add the polynomials: $(2x + 3) + (4x + 1)$

$6x + 4$

$6x + 3$

$2x + 4$

$8x + 4$

$6x + 2$

Question 3

Easy

Which statements are TRUE about polynomials? (Select all that apply)

☐ A polynomial can have negative exponents

☐ The degree of a constant polynomial is 0

☐ Polynomials can only have whole number coefficients

☐ The sum of two polynomials is always a polynomial

☐ A polynomial must have at least two terms

Question 4

Easy

Subtract: $(5x^2 - 3x + 2) - (2x^2 + x - 1)$

Question 5

Easy

What is the coefficient of x^2 in $7x^3 - 4x^2 + 2x - 1$?

Question 6

Easy

Evaluate $P(x) = x^2 + 3x + 2$ when $x = 2$. (Enter only the number)

Question 7

Easy

Which expression represents a binomial?

Question 8

Easy

What is $(x + 3) + (x - 3)$?

Question 9

Easy

Identify which are polynomial expressions: (Select all that apply)

☐ $3x^2 + 2x - 1$ ☐ $x^{-2} + 5$ ☐ $\sqrt{x} + 3$ ☐ $5x^3 - 2x + 7$ ☐ $2/x + 1$ **Question 10**

Easy

What is the constant term in $2x^3 - 5x^2 + 3x - 8$?