

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 $2x^3 - 5x^2 + 3x - 8$?