

Classifying Polynomials



Name each polynomial by degree and number of terms.

1) $5x + 1$

2) $9x^2 + 3x - 1$

3) -2

4) $8x$

5) $-12x^4 + 4x^3 - 2x^2 + x$

6) -6

7) $-5x^6 + 2x^5 - 2x^4$

8) $-2x + 3$

9) $-1x$

10) $-2x^2 - 3x$

11) $2x^2 + 2x - 3$

12) $7x + 7$

13) $9x$

Answers of Classifying Polynomials



Name each polynomial by degree and number of terms.

- 1) $5x + 1 \Rightarrow$ **Linear binomial**
- 2) $9x^2 + 3x - 1 \Rightarrow$ **Quadratic trinomial**
- 3) $-2 \Rightarrow$ **Constant monomial**
- 4) $8x \Rightarrow$ **Linear monomial**
- 5) $-12x^4 + 4x^3 - 2x^2 + x \Rightarrow$ **Quartic polynomial with four terms**
- 6) $-6 \Rightarrow$ **Constant monomial**
- 7) $-5x^6 + 2x^5 - 2x^4 \Rightarrow$ **Sixth degree trinomial**
- 8) $-2x + 3 \Rightarrow$ **Linear binomial**
- 9) $-1x \Rightarrow$ **Linear monomial**
- 10) $-2x^2 - 3x \Rightarrow$ **Quadratic binomial**
- 11) $2x^2 + 2x - 3 \Rightarrow$ **Quadratic trinomial**
- 12) $7x + 7 \Rightarrow$ **Linear binomial**
- 13) $9x \Rightarrow$ **Linear monomial**