

Naming Polynomials

Name each polynomial by degree and number of terms.

1) $2p^4 + p^3$

binomial
degree = 4

2) $-10a$

monomial
degree = 1

3) $2x^2$

monomial
degree = 2

4) $-10k^2 + 7$

binomial
degree = 2

5) $-5n^4 + 10n - 10$

trinomial
degree = 4

6) $-6a^4 + 10a^3$

binomial
degree = 4

7) $6n$

monomial
degree = 1

8) 1

monomial
degree = 0

9) $-9n + 10$

binomial
degree = 1

10) $5a^2 - 6a$

binomial
degree = 2

11) $8p^5 - 5p^3 + 2p^2 - 7$

4-term polynomial
degree = 5

12) $-7n^7 + 7n^4$

binomial
degree = 7

13) $-8n^4 + 5n^3 - 2n^2 - 8n$

4-term polynomial
degree = 4

14) $9v^7 + 7v^6 + 4v^3 - 1$

4-term polynomial
degree = 7

15) $9x^2 + 3x$

binomial
degree = 2

16) -6

monomial
degree = 0

17) $-10k^4 + k^2 - k$

trinomial
degree = 4

18) $8a + 1$

binomial
degree = 1

19) $9r^6 - 8$

binomial
degree = 6

20) $9n^5 - 8n^3$

binomial
degree = 5

21) $2n^5$

monomial
degree = 5

22) $-10x^5$

monomial
degree = 5

23) $4x - 9x^2 + 4x^3 - 5x^4 \rightarrow -5x^4 + 4x^3 - 9x^2 + 4x$

4-term polynomial
degree = 4

24) $10 + 8x \rightarrow 8x + 10$

binomial
degree = 1

25) $-4 - 2a^2 + 8a \rightarrow -2a^2 + 8a - 4$

trinomial
degree = 2

26) $4b^6 + 5b^5 + b^4$

trinomial
degree = 6

27) -1

monomial
degree = 0

28) $7n^5 + 10n^4 - 3n + 10n^7 \rightarrow 10n^7 + 7n^5 + 10n^4 - 3n$

4-term polynomial
degree = 7

29) 4

monomial
degree = 0

30) $4r^6 - 3r^2 - 8r^4 \rightarrow 4r^6 - 8r^4 - 3r^2$

trinomial
degree = 6