

Polynomials

Multiple choice questions

- 1) $7x^5 + 3x^2 - 5x + 2$ is a polynomial.
 - a) Yes
 - b) No
 - c) Maybe
 - d) None of these

- 2) $x^5 + \sqrt{7}$ is a polynomial.
 - a) Yes
 - b) No
 - c) Maybe
 - d) None of these

- 3) $4\sqrt{x} + 3$ is a polynomial.
 - a) Yes
 - b) No
 - c) Maybe
 - d) None of these

- 4) The coefficient of x^3 in $-4x^3 + 6x^2 + 7x + 2$
 - a) -4
 - b) 6
 - c) 7
 - d) 2

- 5) The degree of polynomial $5z - \sqrt{2}$ is
 - a) -5
 - b) 1
 - c) $\sqrt{2}$
 - d) 0

- 6) $10x^3$ is a
- a) linear polynomial
 - b) quadratic polynomial
 - c) cubic polynomial
 - d) trinomial

- 7) The leading coefficient in polynomial $x^5 + 6x^4 - 3x^3 + 2x^2 + 3$
- a) 6
 - b) 2
 - c) -3
 - d) 1

- 8) The degree of constant polynomial is
- a) 1
 - b) 2
 - c) Not defined
 - d) 0

- 9) Example of binomial with degree 35 is
- a) $35x$
 - b) $3x^5 + 35$
 - c) $7x^{35} + 4$
 - d) x^{35}

- 10) $\pi x^2 + 7x - 5$ is a
- a) quadratic polynomial
 - b) binomial
 - c) cubic
 - d) linear polynomial