

## 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