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