

## Polynomials

Write True or False in the boxes.

1)  $7x^4$  is a monomial.

2) The degree of  $3y$  is 0.

3)  $x^2 + 4x + 4$  is a quadratic polynomial.

4)  $\sqrt{x} + 8$  is a polynomial.

5)  $5x^2 + 4x + 20$  is a trinomial.

6) The coefficient of  $x^5$  in  $x^5 + 4x^5 + x^3 + 1$  is 5.

7)  $x - x^3$  is a cubic polynomial.

8) The degree of biquadratic polynomial is 2.

9) The exponent of any variable in a polynomial can be a non-negative integer.

10)  $x^3 + \sqrt{x} + 8$  is a cubic polynomial.