### Standard Form

#### Combine like terms. Order terms from the largest exponent to Constant, Linear, Quadratic, Cubic, 4th the smallest exponent.

## Classify by Degree

# Based on the largest exponent. Degree, 5th Degree.

# Classify by Terms

Based on the number of terms. Monomial, Binomial, Trinomial, 4 Term Polynomial, 5 Term Polynomial.

1. 
$$-2x^2 - 2x^5 + 7$$

- 2. 7
- 3. 6x<sup>4</sup>
- 4.  $7x^2 2x^2$
- 5.  $-2 + 4x^4$
- 6.  $5x^5 + 3x^3 2$
- 7.  $-6x^2 + 9x^2$
- 8.  $-2x^3$
- 9.  $7 8x + 4x^4$
- 10. 7x<sup>2</sup>
- 11.  $5 + 9x^3 + 3x^3$
- 12. -5 + x
- 13.  $-8x^4 8x$
- 14.  $-3x 5x^5 2$
- 15.  $5 x^4 4$
- 16.  $3x^3 + x$
- 17.  $-x^4 7x^4 6x^5 4$
- 18. -8
- 19.  $7 + 6x^3$
- 20.  $3x^3 2x^4$