

### Adding and Subtracting with Polynomials

#### Add the polynomials.

1.  $(82x^8 + 21x^2 - 6) + (18x + 7x^8 - 42x^2 + 3)$

2.  $(15x - 121x^{12} + x^9 - x^7 + 3x^2) + (x^7 - 68x^2 - x^9)$

3.  $(x^4 - 7x^3 + 2 - x) + (2x^3 - 3) + (1 - 5x^3 - x^4 + x)$

#### Subtract the polynomials.

4.  $(-2x + 23x^5 + 11) - (5 - 9x^3 + x)$

5.  $(9x - 12x^3) - (5x^3 + 7x - 2)$

6.  $(10x^2 - x + 4) - (5x + 7) + (6x - 11)$