



For each polynomial do the following:

- Write the polynomial in standard form. First simplify by using Distributive Property and combining like terms.
- State the degree of the polynomial.
- Name the polynomial using its degree.
- Name the polynomial using the number of terms.

12.  $4 - 8y^3 + 7y$

a.

b.

c.

d.

13.  $6a + 7a^2 - 4 + 8a - a^2$

a.

b.

c.

d.

14.  $9(2 - c) + 2c(3c + 7)$

a.

b.

c.

d.

Find the sum or difference of each pair of polynomials.

15.  $(4n^3 - 3n^2 + 7) - (6n^3 + 8n - 3)$

16.  $(e^2 + 6e - 9) + (3e - 4e^2 + 2)$