

Name: _____ Show work needed to justify your answer. Date: _____

HW # 56: Algebra 1 - Standard 36 - Add & Subtract Polynomials

5 points

Determine whether each expression is a polynomial. If it is a polynomial, find the degree and determine whether it is a *monomial*, *binomial*, or *trinomial*.

1. $\frac{5y^3}{x^2} + 4x$

3. $c^4 - 2c^2 + 1$

5. $a - a^2$

6. $5n^3 + nq^3$

Write each polynomial in standard form. Identify the leading coefficient.

7. $5x^2 - 2 + 3x$

8. $8y + 7y^3$

9. $4 - 3c - 5c^2$

10. $-y^3 + 3y - 3y^2 + 2$

11. $11t + 2t^2 - 3 + t^5$

13. $\frac{1}{2}x - 3x^4 + 7$