

Algebra 2

Unit 5.1 – Exponents & Operations of Polynomials I Can Sheet

Name: _____

Standard: CNE.2

I can...

- Simplify polynomials using exponents rules
- Explain what makes a polynomial and how to find the degree
- Add/Subtract/Multiply polynomials

Items in bold should be turned in to me or placed in your binder. Please check off items you have completed.

_____ **video notes (2)**

_____ **book assignment**

_____ extra videos

_____ extra worksheet

_____ pre-mc

_____ **mastery check**

Pre-mc:

Simplify.

1. $(5x^3y^{-5})(4xy^3)$

2. $\frac{-7x^5y^5z^4}{21x^7y^5z^2}$

3. $(3z^4)^6$

4. $(6a^2 + 5a + 10) - (4a^2 + 6a + 12)$

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5. $(x - y)(x^2 + 2xy + y^2)$

Determine whether the expression is a polynomial. If it is, state the degree.

6. $2x^6 - 4x^9 + 5$

7. $6x^{1/2} + 4x^8$