

Name: _____

Date: _____

Naming Polynomials Worksheet

Part One: Classifying Polynomials: Write each polynomial in the correct column based on its name.

Polynomials				
$4x - 3$	$4x^3 - 3$	$4x^2 - 2x + 1$	4,201	$-11z$
$5y^2 - 8$	$12x^3$	$5x^3 + 2x^2$	$2x^2 - 10x + 1$	-23
2a	$8g - 8$	$5x^2$	$3y^4$	$9x^4 + 9$
$-x^3$	$-10x^5$	$10x^2 - 8x + 8$	0	$2h^2 - 1,000$

Constant Monomial	Linear Monomial	Quadratic Monomial	Cubic Monomial
Fourth Degree Monomial	Linear Binomial	Quadratic Binomial	Cubic Binomial
Quadratic Trinomial	Cubic Trinomial	Fourth Degree Binomial	Fifth Degree Monomial

TURN PAPER OVER FOR PART TWO!

Part Two: Simplifying/Naming Polynomials in Standard Form: Write each polynomial in simplified, standard form. Then, name each polynomial.

If the polynomial is already in standard form, please BOX the given polynomial.

1. $5 - 2x$

simplified, standard form:

name of polynomial:

2. $4x(2x - 9)$

simplified, standard form:

name of polynomial:

3. $8,120$

simplified, standard form:

name of polynomial:

4. $6x^3$

simplified, standard form:

name of polynomial:

5. $12x - 8x + 9 - 10$

simplified, standard form:

name of polynomial:

6. $-(4y - 9y^2)$

simplified, standard form:

name of polynomial:

$$7. 4h - 10 - 2h + h^3$$

simplified, standard form:

name of polynomial:

$$8. 0$$

simplified, standard form:

name of polynomial:
