Algebra 1 **Name _____**
Section 7.1 p362

Find the degree of the monomial.

5.	6.	7.	8.
9.	10.	11.	12.

Fill in the chart.

	Standard Form	**Leading Coefficient**	**Degree**	**Classify by Degree**	**# of Terms**	**Classify by # of Terms**
14.						
16.						
18.						
20.						

21.

Write the original problem, then find the sum.

24.	26.
28.	30.

Write the original problem, then find the difference.

32.	34.
36.	38.

39. ✗ $(x^2 + x) - (2x^2 - 3x) = x^2 + x - 2x^2 - 3x$ $= (x^2 - 2x^2) + (x - 3x)$ $= -x^2 - 2x$	40. ✗ $x^3 - 4x^2 + 3$ $+ -3x^3 + 8x - 2$ $-2x^3 + 4x^2 + 1$
54a.	54b.
55.	

Algebra 1 **Name _____KEY_____**
Section 7.1 p362

Find the degree of the monomial.

5. 1	6. 4	7. 2	8. 0
9. 9	10. 6	11. 11	12. 1

Fill in the chart.

	Standard Form	Leading Coefficient	Degree	Classify by Degree	# of Terms	Classify by # of Terms
14.	$-w^{12}+4w^{11}$	-1	12	12th-degree polynomial	2	Binomial
16.	$-4d^3+8d-2$	-4	3	Cubic	3	Trinomial
18.	$3z^4+2z^2+5z$	3	4	Quartic	3	Trinomial
20.	$\sqrt{7}n^4$	$\sqrt{7}$	4	Quartic	1	Monomial

21. It is the product of a number and a variable with a whole number exponent ; its degree is 3

Write the original problem, then find the sum.

24. $x-8$	26. $-4p^3-3p^2-17p$
28. $12r^2+r-7$	30. $-5s^3+2s^2-s-9$

Write the original problem, then find the difference.

32. $-x+8$	34. $7m^2-11m-2$
36. $4r^3-r^2-8r-10$	38. $-16d^3+3d^2-3d+2$

39. when writing the subtraction as addition, the last term was not multiplied by -1 The correct answer is $-x^2+4x$.	40. $-4x^2$ and $8x$ are not like terms, so they cannot be added The correct answer is $-2x^3-4x^2+8x+1$
54a. $-0.028t^3-0.32t^2+1.6t+59$	54b. \$55.5 million
55. $12x-3$	