SECTION 4.1: INTRODUCTION TO ALGEBRAIC EXPRESSION

Homework:				
Learning Target(s): 3a. Understanding of what like terms are.				
Constant:	a			
<u>Term</u> :	an algebraic expression that includes a		-	
Monomial:	an expression with	algebraic term		
Polynomial:	an expression with	or more algebra	ic terms	
Binomial:	an expression with	algebraic terms		
<u>Trinomial</u> :	an expression with	algebraic terms.		
Degree:	the of the e	exponents in a ter	rm. To find the degree of	a
2 <i>x</i> ²	3xy	-x ³ y ²	$5x^2 - 3xy + 2y^3$	itgitt.
ascending order	Write the polynomials in order of alphabetical.	increasing		_ and
$5x^2 - 3x^3 + 4z + 2z^4 - xz + 5$				
descending orde	<u>r</u> : Write the polynomials in order of alphabetical.	decreasing		_ and

 $-2 + 4x^3 - 5x + 7y - 2y^2 + 3xy$

Problems for the left page

Categorize each algebraic expression.

1. 2x + 42. 3x3. -54. $4x^2 + 3y - 8$ 5. $2x^2 - 4x + 3y + z$ 6. -x - 5

Write each polynomial in descending order.

- 7. $3x^2 4x^3 + 5 x$
- 8. $4xy + 2x^2 3x + y$
- 9. $2x^4 + 3y^3 4xz + 3xy 5$

Write each polynomial in ascending order.

- 10. $12x + 5 3x^2$
- 11. $4x^2 + 3x x^4 + 5y 8$
- 12. $3xy + 2y^2 4x + 8$