

8-1A Practice

Name _____

Date _____

In Column A write the degree of each polynomial expression. In Column B tell whether it is a monomial, binomial, trinomial, or none of these. In Column C, write the polynomial in descending order.

	Column A	Column B	Column C
1. $3x + 5$			
2. $-3a^2 - 19 + 7a$			
3. $5x + 3x^2 + 5x^4 - 2$			
4. $y + 4y^4 + 1$			

Add or subtract these polynomial expressions. Then tell the degree of the result.

- $(4x^2 + 3x - 9) + (-9x + 10)$ _____ Degree _____
- $(9x^4 + 5x^2 - 2) + (3x^3 + 3)$ _____ Degree _____
- $(2x^4 + 5x^2 - 7x - 4) - (9x^2 + 6x - 2)$ _____ Degree _____
- $(14x^3 - 4x^2 - 3) + (9x^2 + 6x - 2)$ _____ Degree _____
- $(4x^2 + 3x - 1) - (-2x^2 + x + 5)$ _____ Degree _____
- $(2m^2 + m) + (3m^2 + m^2 - m)$ _____ Degree _____
- $(4x^2 - 16) + (3x - 10) - (5 + x^2)$ _____ Degree _____
- $(2 - x) + (5x + 5x^2 + 5) - (3 + x)$ _____ Degree _____
- $(5 - 7x) - (8 + 4x) + (2 + x^2) - 1$ _____ Degree _____

Complete this table. Use it to determine whether any two of the polynomials are equivalent.

	x	$x^3 + x$	x^4	$2x^3 + x - x^3$
14.	-1			
15.	0			
16.	1			
17.	2			

18. Equivalent polynomials _____