

1.	Term	Coefficient	Variable Cluster	Degree of Term
	$5xy^7$	5	xy^7	8
	$-3x^4y^2$	-3	x^4y^2	6
	$\frac{5}{8}y^2$	$\frac{5}{8}$	y^2	2
	$-x^3$	-1	x^3	3
	x^5y	1	x^5y	6
	$-2w$	-2	w	1
	9	9	(none)	0

2.	Polynomial	In Descending Order	Leading Coefficient	Degree of the Polynomial
	$4x - 7x^3$	$-7x^3 + 4x$	-7	3
	$-3 + x^2 + 6x$	$x^2 + 6x - 3$	1	2
	$1 - 2x^3 + 5x - 8x^2$	$-2x^3 - 8x^2 + 5x + 1$	-2	3
	$2x^2 + 9 - x^3 - 4x$	$-x^3 + 2x^2 - 4x + 9$	-1	3
	$-3x^4 + 9x^2 - 2x - x^6$	$-x^6 - 3x^4 + 9x^2 - 2x$	-1	6

3. a) $4xy^2$ b) $-7x^5$ c) $-2y^3$ d) 0
 e) $-y^3 + x^2$ f) $-12x^2 + 5x$

4. a) $12x^3 - 15x$ b) $24x^3 - 6$ c) $-20x^2 + 8x - 24$
 d) $3y^4 - 2y^3$ e) $-5x^2 + x - 3$ f) $x^4 + 2x^2 - 3$

5. a) $3x^2 - 2x$ b) $x^2 - 10x - 2$ c) $-5y^2 + 7y + 7$
 d) $7x - 11$ e) $-7x^2 + 2x - 2$ f) $11x^3 + 11x - 10$

If you notice any errors on this page, please alert your instructor.