MATHEMATICS 10

Name: _____   Score: _____

Grade Level/Section: _____   Date: _____

WORKSHEET
Illustrating Polynomial Equation

I. Directions: Complete the chart by providing the standard form of the polynomial equation and filling in the degree, leading term, leading coefficient and constant term.

Polynomial Expression	Standard Form of Polynomial Equation	Degree	Leading Term	Leading Coefficient	Constant
1.) $4x - 7 - 3x^4 + 5x^3$					
2.) $-2x^7 - 4 + 3x^5 + 8x^9$					
3.) $-9x^3 - x + 12 - 4x^5$					
4.) $15 + 6x^4 - x^2 - 9x$					
5.) $-5x^8 + 7x^4 + 2x^{10} - 3$					

II. Find the maximum number of roots of the given polynomial equations. Write your answers on the space provided before each item.

_____ 1.) $-5x^4 + 3x^7 + 2 = 0$

_____ 2.) $-2x^6 + 7x^3 - 1 = 0$

_____ 3.) $x^4 - 4x^3 + 6x^2 - 4x + 1 = 0$

_____ 4.) $-x^{10} + x^5 - 2 = 0$

_____ 5.) $x^{20} - 1 = 0$

LIVEWORKSHEETS