

NAME: _____ Score _____/10

Please **print** your name**SHOW ALL YOUR WORK IN A NEAT AND ORGANIZED FASHION****Reference to terms and polynomials are to terms and polynomials with one variable.**

1. In the fraction $\frac{x}{y}$, x is called the **numerator**.
2. In the fraction $\frac{x}{y}$, y is called the **denominator**.
3. A first degree polynomial is called a **linear** polynomial.
4. A second degree polynomial is called a **quadratic** polynomial..
5. The numerical part of a term is called the **coefficient** of the term.
6. The degree of a polynomial is the degree of the **leading** term.
- 7.

a) x^{-3}	b) $3x^2 - 8x + 5$	c) 9	d) $4x + x^3$	e) $\sqrt{3}x^5 + 2x^3 - \frac{3}{2}x^2 - x + 28$
f) $3x^{-5} + 5x^2 + 3$	g) $3^{-2}x^2 + 5x + \frac{2}{3}$	h) $x^4 + x^3 + 5$	j) $(x + 4)(x + 3) = 0$	
k) $\sqrt{x^4 + x^2 + 16}$				

- i. Which items in the above list are polynomials?
a **b c d e f g h j k**
- ii. Which items in the above list are terms?
a b **c d e f g h j k**
- iii. Which items in the above list are quadratic polynomials?
a **b c d e f g h j k**
- iv. Which items in the above list are trinomials?
a **b c d e f g h j k**