

NAME: _____ Score _____/10

1. The graph of a function is the set of all points of the form $(k, f(k))$ where k is an element of the domain and $f(k)$ is the corresponding range element.
2. A **term** is a letter, a number, or a product of letters and numbers.
3. A **polynomial** is a term or a sum of terms in which all variables have whole number exponents.
4. The **leading term** of a polynomial is the term with largest degree.
5. The **degree** of a polynomial is the degree of the leading term.
6. A second degree polynomial is called a **quadratic** polynomial.
7. A polynomial consisting of three terms is called a **trinomial**.
8. The graph of a polynomial function is a **continuous** smooth curve with no sharp corners.
9. For domain elements far from the origin, the **leading term** in a polynomial function dominates the entire expression when calculating range elements.
10. If the multiplicity of a real zero is an **even** number the graph intersects but does not cross the x-axis at that zero.