

NAME: _____ Score _____/10

Please **print** your name

1. T F If -5 is a zero of a polynomial function, then $x - 5$ is a factor of the polynomial.
2. T F Every fourth degree polynomial has at least one x -intercept.
3. T F The sum of two like terms is a term.
4. T F Consider the function whose rule is $f(x) = (x - 7)(x + 4)^3$. Then 4 is a zero with multiplicity 3 .
5. If the discriminant of a quadratic function is negative and the leading coefficient is positive, then the parabola lies completely _____ the x -axis.
6. If a term contains a variable, then its opposite is formed by replacing its coefficient with the _____ of the coefficient.
7. The leading term of a polynomial is the term with _____ degree.
8. Two polynomials are _____ if they have the same degree and corresponding coefficients are equal.
9. A polynomial consisting of three terms is called a _____.
10. If $\frac{p}{q}$ is a rational zero of a polynomial function with integer coefficients, then the numerator p must be a divisor of the _____ term and the denominator q must be a divisor of the _____ coefficient.