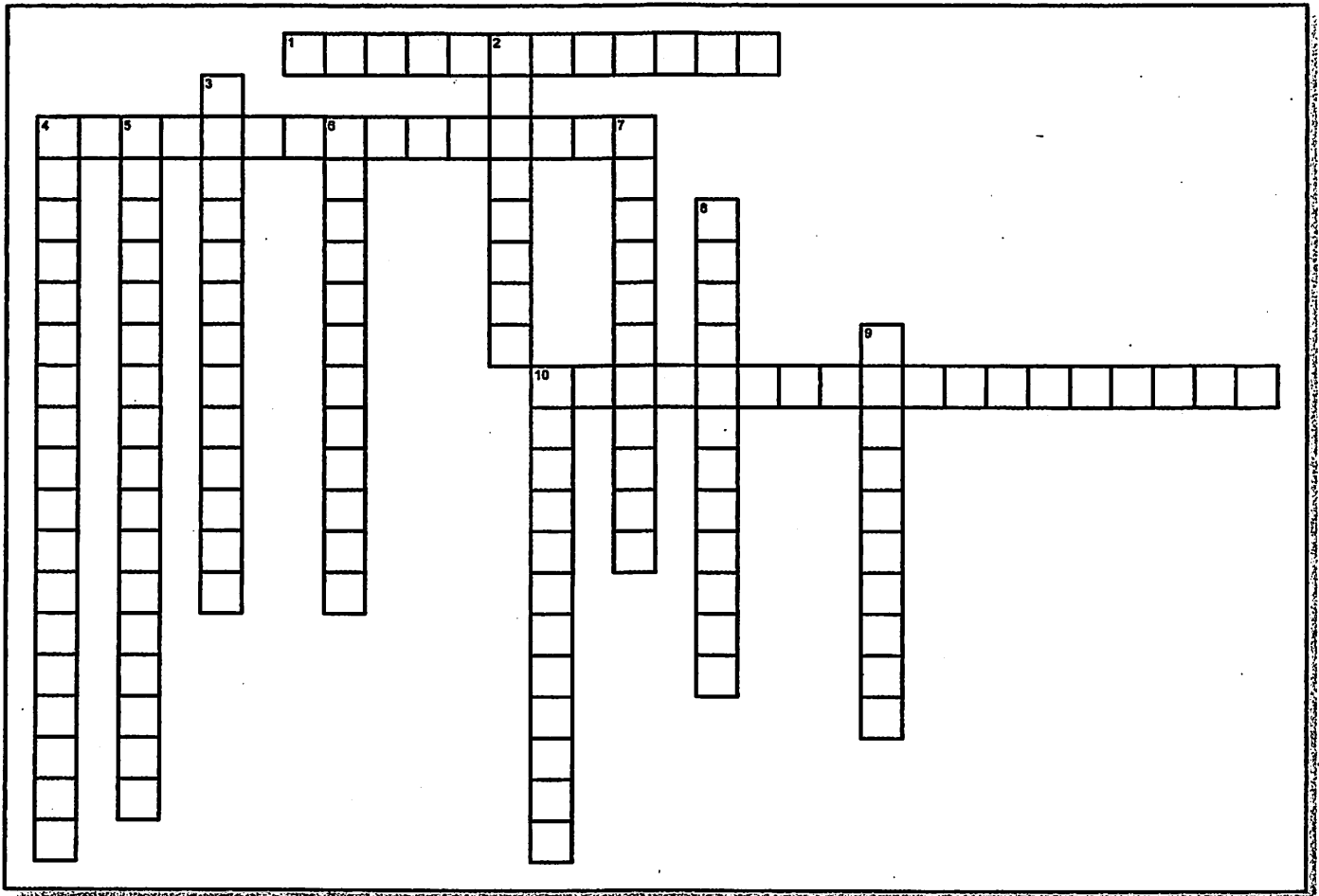


Name: _____ Class: _____ Date: _____

Holt McDougal Algebra 2
Chapter 6 Vocab

Instructions: Complete the crossword puzzle. Use the clues to help identify the words.



Across

1. For a function f , a value $x = a$ where $f(x) < f(a)$ for every x -value in an interval around a .
4. A triangular arrangement of numbers in which every row starts and ends with 1 and each other number is the sum of the two numbers above it.
10. The coefficient of the first term of a polynomial in standard form.

Down

2. A number or a product of numbers and variables with whole-number exponents, or a polynomial with one term.
3. For any polynomial $P(x)$, $(x - a)$ is a factor of $P(x)$ if and only if $P(a) = 0$.
4. A function whose rule is a polynomial.
5. A shorthand method of dividing a polynomial by a linear binomial by using only the coefficients.
6. A point on the graph of a function where the graph changes from increasing to decreasing (or vice versa).
7. The trends in the y -values of a function as the x -values approach positive and negative infinity.
8. If a polynomial $P(x)$ has a multiple root at r , the number of times $(x - r)$ appears as a factor in $P(x)$.
9. A monomial or sum or difference of monomials.
10. For a function f , a value $x = a$ where $f(x) > f(a)$ for every x -value in an interval around a .