

# Algebra 1

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Instructions:** Complete the word search puzzle. Use the clues to help you identify the words.



## Clues

1. It indicates the number of times  $x$  is used as a factor in an expression of the form  $x^n$ .
2. The point where the two axes intersect at their zero points.
3. The set of second numbers of the ordered pairs in a relation.
4. \_\_\_\_\_ property - For any numbers  $a$ ,  $b$ , and  $c$ ,  $a(b + c) = ab + ac$  and  $(b + c)a = ba + ca$ .
5. To find the value of an expression you need to \_\_\_\_\_.
6. Terms that contain the same variables, with corresponding variables having the same exponent.
7. \_\_\_\_\_ property - If  $a = b$ , then  $a$  may be replaced by  $b$  in any expression.
8. Mathematical sentence that contains an equals sign,  $=$ .
9. The set of the first numbers of the ordered pairs in a relation.

## Algebra 1

10. The multiplicative inverse of a number.
11. Specific case in which a statement is false.
12. \_\_\_\_\_ property - For any numbers  $a$ ,  $b$ , and  $c$ ,  $(a + b) + c = a + (b + c)$  and  $(ab)c = a(bc)$ .
13. A set of ordered pairs.
14. The numerical factor of a term.
15. A relation in which each element of the domain is paired with exactly one element of the range.
16. \_\_\_\_\_ property - For any numbers  $a$  and  $b$ ,  $a + b = b + a$  and  $ab = ba$ .
17. In an algebraic expression, the quantities being multiplied are called \_\_\_\_\_.
18. In an algebraic expression, the result of quantities being multiplied is called the \_\_\_\_\_.
19. A collection of objects or numbers, often shown using braces  $\{ \}$  and usually named by a capital letter.
20. An expression of the form  $x^n$ , read  $x$  to the  $n$ th power.