

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

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

## Translating Verbal Expressions to Algebraic Expressions

Write an algebraic expression for each verbal expression.

1. Multiply 3 by the sum of four and  $x$  \_\_\_\_\_
  
2. The number  $x$  is doubled \_\_\_\_\_
  
3. Thrice the sum of  $x$  and  $y$  \_\_\_\_\_
  
4. Six less than twice a number  $x$  \_\_\_\_\_
  
5. Eight subtracted from  $y$  \_\_\_\_\_
  
6. The average of two numbers  $x$  and  $y$  \_\_\_\_\_
  
7. The difference of a number  $x$  and eight \_\_\_\_\_
  
8. One-fourth the difference between  $x$  and 4 \_\_\_\_\_
  
9. Twenty to the  $v^{\text{th}}$  power \_\_\_\_\_
  
10.  $y$  squared \_\_\_\_\_
  
11. Eight more than a number  $x$  \_\_\_\_\_
  
12. Five times  $x$  increased by three times  $y$  \_\_\_\_\_

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## Translating Verbal Expressions to Algebraic Expressions

### Answers

- |   |  |
|---|--|
| 1. Multiply 3 by the sum of four and $x$        | <u><math>3(4 + x)</math></u>           |
| 2. The number $x$ is doubled                    | <u><math>2x</math></u>                 |
| 3. Thrice the sum of $x$ and $y$                | <u><math>3(x + y)</math></u>           |
| 4. Six less than twice a number $x$             | <u><math>2x - 6</math></u>             |
| 5. Eight subtracted from $y$                    | <u><math>y - 8</math></u>              |
| 6. The average of two numbers $x$ and $y$       | <u><math>\frac{x + y}{2}</math></u>    |
| 7. The difference of a number $x$ and eight     | <u><math>x - 8</math></u>              |
| 8. One-fourth the difference between $x$ and 4  | <u><math>\frac{1}{4}(x - 4)</math></u> |
| 9. Twenty to the $v^{\text{th}}$ power          | <u><math>20^v</math></u>               |
| 10. $y$ squared                                 | <u><math>y^2</math></u>                |
| 11. Eight more than a number $x$                | <u><math>x + 8</math></u>              |
| 12. Five times $x$ increased by three times $y$ | <u><math>5x + 3y</math></u>            |