

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

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

## Writing Algebraic Expressions

Write an expression for each phrase.

1) Six less than a number \_\_\_\_\_

2) The sum of 10 times a number and two \_\_\_\_\_

3) The quotient of 20 divided by  $y$ , increased by seven \_\_\_\_\_

4) The product of 4 and a number, divided by 2 \_\_\_\_\_

5) The difference of ten and six, multiplied by a number \_\_\_\_\_

Write a phrase for each expression.

6)  $2x - 6$  \_\_\_\_\_

7)  $5(6 + x)$  \_\_\_\_\_

8)  $(2 + x) - 8$  \_\_\_\_\_

9)  $\frac{2 + x}{5}$  \_\_\_\_\_

10)  $\frac{20}{x} + 7$  \_\_\_\_\_

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### Answers

- |   |   |
|---|---|
| 1) Six less than a number                                 | <u><math>x - 6</math></u>   |
| 2) The sum of 10 times a number and two                   | <u><math>10x + 2</math></u>   |
| 3) The quotient of 20 divided by $y$ , increased by seven | <u><math>\frac{20}{y} + 7</math></u>                                |
| 4) The product of 4 and a number, divided by 2            | <u><math>\frac{4x}{2}</math></u>                                    |
| 5) The difference of ten and six, multiplied by a number  | <u><math>x(10 - 6)</math></u>                                       |
| 6) $2x - 6$   | <u>two times a number, decreased by six</u>                         |
| 7) $5(6 + x)$   | <u>five times the sum of six and a number</u>                       |
| 8) $(2 + x) - 8$  | <u>eight fewer than sum of 2 and a number</u>                       |
| 9) $\frac{2 + x}{5}$                                      | <u>the sum of two and a number, divided by 5</u>                    |
| 10) $\frac{20}{x} + 7$                                    | <u>the quotient of 20 divided by <math>x</math>, increased by 7</u> |