

# Translations

**MULTIPLE CHOICE.** Choose the one alternative that best completes the statement or answers the question.

**Translate to an algebraic expression.**

- 1) The sum of a number and 130  
A)  $130 - x$       B) 130      C)  $x + 130$       D)  $130x$       1) \_\_\_\_\_
- 2) 4 more than 3 times a number  
A)  $3x + 4$       B)  $3(4 + x)$       C)  $4x + 3$       D)  $7x$       2) \_\_\_\_\_
- 3) 7 less than 5 times a number  
A)  $5 - 7x$       B)  $5x - 7$       C)  $7x - 5$       D)  $7 - 5x$       3) \_\_\_\_\_

**Solve the problem.**

- 4) Write an algebraic expression to represent the total of thirteen times a number and eight.  
A)  $13x + 8$       B)  $21x$       C)  $13(x + 8)$       D)  $8x + 13$       4) \_\_\_\_\_
- 5) Write an algebraic expression to represent eight less than five times  $x$ .  
A)  $8 - 5x$       B)  $5x + 8$       C)  $5(x - 8)$       D)  $5x - 8$       5) \_\_\_\_\_
- 6) Write an algebraic expression to represent two less than nine times  $x$ .  
A)  $9(x - 2)$       B)  $9x - 2$       C)  $9x + 2$       D)  $2 - 9x$       6) \_\_\_\_\_

**Translate the sentence to an equation.**

- 7) Four added to seven times a number is 24.  
A)  $4 + 7x = 24$       B)  $7(x + 4) = 24$       C)  $(4 + 7)x = 24$       D)  $7x = 4 + 24$       7) \_\_\_\_\_

**Translate to an algebraic expression.**

- 8) The difference between some number and 2.5  
A) 2.5      B)  $x - 2.5$       C)  $2.5x$       D)  $x + 2.5$       8) \_\_\_\_\_

**Translate the problem to an equation. Do not solve.**

- 9) A number minus 5 equals 3.  
A)  $x = 5 - 3$       B)  $5 - x = 3$       C)  $x - 5 = 3$       9) \_\_\_\_\_
- 10) 56 minus twice a number equals 14 more than the number.  
A)  $56 - 2 = 14 + x$       B)  $56 - 2x = 14 + x$       C)  $56 - 2x = 14 + 2x$       10) \_\_\_\_\_
- 11) 2 times a number equals 10 less than 3 times the number.  
A)  $2x = 10 - 3$       B)  $2x = 10 - 3x$       C)  $2x = 3x - 10$       11) \_\_\_\_\_

**Translate the sentence to an equation.**

- 12) Eleven subtracted from nine times a number is 115.  
A)  $11 - 9x = 115$       B)  $11(9 - x) = 115$       C)  $9(x - 11) = 115$       D)  $9x - 11 = 115$       12) \_\_\_\_\_
- 13) A number increased by 7 is 29.  
A)  $7 + x = 7$       B)  $29 + x = 7$       C)  $7 + x = 29$       D)  $7 + 29 = x$       13) \_\_\_\_\_

## Answer Key

Testname: TRANSLATIONS

- 1) C
- 2) A
- 3) B
- 4) A
- 5) D
- 6) B
- 7) A
- 8) B
- 9) C
- 10) B
- 11) C
- 12) D
- 13) C