

1.12 Translating Algebraic Expression 3

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

Write the phrase as a variable expression. Use x to represent "a number."

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|--|-----------------------|----------------|---------------------|---------------------|-----------|
| 1) The sum of -11 and a number | A) $-11 - x$ | B) $-11 + x$ | C) $11 + x$ | D) $-11x$ | 1) _____ |
| 2) the difference of Three and a number | A) $3x$ | B) $3 - x$ | C) $x - 3$ | D) $\frac{3}{x}$ | 2) _____ |
| 3) Negative nine decreased by 3 times a number | A) $9 - 3x$ | B) $-9 - 3x$ | C) $-9 + 3x$ | D) $9 + 3x$ | 3) _____ |
| 4) The quotient of 34 and the product of a number and -9 | A) $\frac{34}{x} - 9$ | B) $-306x$ | C) $\frac{34}{-9x}$ | D) $\frac{-9x}{34}$ | 4) _____ |
| 5) Fourteen subtracted from a number | A) $14 - x$ | B) $14x - 14$ | C) $\frac{x}{14}$ | D) $x - 14$ | 5) _____ |
| 6) The quotient of 24 times a number and -4 | A) $24x + 4$ | B) $24x - 4$ | C) $\frac{24x}{-4}$ | D) $\frac{1}{-96x}$ | 6) _____ |
| 7) A number divided by -18 | A) $\frac{-18}{x}$ | B) $-18x$ | C) $\frac{x}{-18}$ | D) $x - (-18)$ | 7) _____ |
| 8) A number subtracted from -16 | A) $-16x$ | B) $-16 + x$ | C) $x - (-16)$ | D) $-16 - x$ | 8) _____ |
| 9) Four times the sum of a number and -5 | A) $4 + x + (-5)$ | B) $4x - (-5)$ | C) $4x + (-5)$ | D) $4[x + (-5)]$ | 9) _____ |
| 10) Nine times a number, decreased by 16 | A) $9(x - 16)$ | B) $9x - 16$ | C) $9x + 16$ | D) $9(x + 16)$ | 10) _____ |

Answer Key

Testname: 1.12 TRANSLATING ALG EXPRESSIONS 3

- 1) B
- 2) B
- 3) B
- 4) C
- 5) D
- 6) C
- 7) C
- 8) D
- 9) D
- 10) B