1.12 Translating Algebraic Expression 1

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."

1) Seven times a number, decreased by 9 1) _____

A) 7(x - 9) B) 7x - 9 C) 7x + 9 D) 7(x + 9)

2) The sum of 19 and a number 2) _____

A) 19 - x B) 19 + x C) -19 + x D) 19x

3) A number subtracted from 5 3) _____

A) 5x B) 5 + x C) x - (5) D) 5 - x

4) The quotient of 17 times a number and -3 4) _____

A) 17x + 3 B) 17x - 3 C) $\frac{17x}{-3}$ D) $\frac{1}{-51x}$

5) the difference of Four and a number 5) _____

A) 4x B) 4 - x C) x - 4 D) $\frac{4}{x}$

6) Thirteen subtracted from a number 6) _____

A) 13 - x B) 13x - 13 C) $\frac{x}{13}$ D) x - 13

7) Negative thirteen decreased by 8 times a number 7) _____

A) 13 - 8x B) -13 - 8x C) -13 + 8x D) 13 + 8x

8) A number divided by 17 8) _____

A) $\frac{17}{x}$ B) 17x C) $\frac{x}{17}$ D) x - (17)

9) Six times the sum of a number and -46 9) _____

A) 6+ x + (-46) B) 6x - (-46) C) 6x + (-46) D) 6[x + (-46)]

10) The quotient of 31 and the product of a number and -8 10) _____

A) $\frac{31}{x}$ - 8 B) -248x C) $\frac{31}{-8x}$ D) $\frac{-8x}{31}$

Answer Key
Testname: 1.12 TRANSLATING ALG EXPRESSIONS

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