1.12 Translating Algebraic Expression 2

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) the difference of Five and a number   1) _____

   A) 5x   B) 5 - x   C) x - 5   D) $\dfrac{5}{x}$

2) The quotient of 38 times a number and -4   2) _____

   A) 38x + 4   B) 38x - 4   C) $\dfrac{38x}{-4}$ D) $\dfrac{1}{-152x}$

3) A number divided by -11   3) _____

   A) $\dfrac{-11}{x}$ B) -11x   C) $\dfrac{x}{-11}$ D) x - (-11)

4) Negative thirteen decreased by 3 times a number   4) _____

   A) 13 - 3x   B) –13 - 3x   C) –13 + 3x   D) 13 + 3x

5) The sum of -9 and a number   5) _____

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

6) Eleven subtracted from a number   6) _____

   A) 11 - x   B) 11x - 11   C) $\dfrac{x}{11}$ D) x - 11

7) The quotient of 40 and the product of a number and -8   7) _____

   A) $\dfrac{40}{x}$ - 8   B) -320x   C) $\dfrac{40}{-8x}$ D) $\dfrac{-8x}{40}$

8) Twice a number, decreased by 58   8) _____

   A) 2(x - 58)   B) 2x - 58   C) 2x + 58   D) 2(x + 58)

9) A number subtracted from -20   9) _____

   A) -20x   B) -20 + x   C) x - (-20)   D) -20 - x

10) Five times the sum of a number and -23   10) _____

   A) 5+ x + (-23)   B) 5x - (-23)   C) 5x + (-23)   D) 5[x + (-23)]

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