1.13 Translating Algebraic Equations 1

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

Solve.

1) Ben sold his used snow plow and accessories for \$352. If he received seven times as much money for the snow plow as he did for the accessories, find how much money he received for the snow plow.

1) _____

A) \$308

B) \$54

C) \$2464

D) \$44

2) A number less 24 is -1. Find the number.

A) 23

B) 25

C) -25

D) -23

3) The product of 8 and a number is the same as 40 less twice that same number. Find the number.

3) _____

A) 4

B) 20

C) -20

D) -4

Write the sentence as an equation. Use x to represent "a number."

4) A number added to -19 is equal to -21.

A) -19 - 21 = x

B) -19 + x = -21

C) x - 21 = -19

D) x = -19 + 21

5) Seven times the difference of 13 and a number gives -7.

A) 7(x - 13) = -7

B) 7(13) - x = -7

C) 7x - 13 = -7

D) 7(13 - x) = -7

6) Six times a number yields 48.

A) 6 + x = 48

B) $\frac{6}{x} = 48$

C) $x^6 = 48$

D) 6x = 48

7) The quotient of 24 and a number is 4.

A) $\frac{24}{x} = 4$

B) 24x = 4

C) 24 - x = 4

D) $\frac{x}{24} = 4$

7) _____

8) Seven subtracted from twice a number gives 17.

A) 7(2 - x) = 17

B) 2x - 7 = 17

C) 2(x - 7) = 17

D) 7 - 2x = 17

9) Eight times the sum of a number and -192 gives 96.

A) 8 + x + (-192) = 96

B) x + 8(-192) = 96

C) 8x + (-192) = 96

D) 8[x + (-192)] = 96

10) Ten subtracted from a number yields 15.

A) 10 - x = 15

B) x - 10 = 15

C) 15 - 10 = x

D) 10 + x = 15

1.13 Translating Algebraic Equations 1
Fill in the blank with one of the words or phrases listed below.

variable terms like	addition simplified combined	constant multiplication numerical coefficient	algebraic expression evaluating the expression distributive	equation solution	
11) The number factor of a variable term is called the .					11)
A) variable			B) constant		
C) algebraic expression D) numerical of				cient	
12) A term that is a number only is called a(n)					12)
A) numerical coefficient B) variable					
C) s	olution		D) constant		
13) A letter used to represent a number is called a(n)					13)
A) solution B) numerical coefficient					
C) constant D) variable					
14) The addends on an algebraic expression are called the of the expression.					14)
A) r	multiplication	B) solution	C) terms	D) addition	
15) Terms that are exactly the same, except that they may have different numerical coefficients, are called terms.					15)
A) v	/ariable	B) combined	C) constant	D) like	

Answer Key Testname: 1.13 TRANSLATING ALG EQUATIONS 1

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