



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 A **variable** is a **letter** which, when solved in an equation, can be **replaced by a number** that makes the equation true.

True or false?  $x + 20 = 24$

- A true
- B false

2 An **expression** is a **collection** of numbers, variables, and mathematical operations such as  $4 - x$  or  $20 - x$ .

True or false?

- A true
- B false

3 The expression  $12 - 8$  is a **variable expression**.

True or false?

4 Given the expression  $n + 24$ , solve when  $n = 56$ .

- A 30
- B 32

5



## PREVIEW

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7

- B  $10x$
- C  $4x$
- D  $2x$

- B  $8x + 12$
- C  $8x - 6$
- D  $18x + 2$

9

Combine like terms:

$$3x + 7y - 2y$$

- A  $3x + 5y$
- B  $3x + 9y$
- C  $10x - 2y$
- D  $4x - 2y$

10

Combine like terms:

$$16x + 6y - 5x - 4y$$

- A  $10x - 1y$
- B  $22x - 9y$
- C  $11x + 2y$
- D  $22x - 10y$



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(A)

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True or false?

(B)

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- A 30  
B 32

(D)

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(B)

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7

(B)

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(C)