



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

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

True or false?

- 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

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

- A 30
- B 32
- C 70
- D 80



PREVIEW

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5
G
W
A
E
C
D

7
C

- A $24x$
- B $10x$
- C $4x$
- D $2x$

- A $22x + 12$
- 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 $22x - 10y$



ANSWER KEY

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)

- A true
- B false

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

True or false?

(a)

- A true
- B false

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

True or false?

(b)

- A true
- B false

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

- A 30
- B 32
- C 70
- D 80

(d)



PREVIEW

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Combine like terms:

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

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

(a)

Combine like terms:

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

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

(c)