



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

1 A **variable** is a letter, which stands for one or more numbers.

True or false?

- A true
- B false

3 Which **expression** represents the following?  
the product of two and a number

- A  $2 + n$
- C  $2n$

2 In the expression,  $3x + 2y - 2x$ , there are three **variables**.

True or false?

$3x + 2y - 2x$

- A true
- B false

4 Which **expression** represents the following?  
four times a number squared diminished by six

- A  $4^2 - 6$
- B  $4n^2 - 6$



## PREVIEW

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7  
A 9  
B 12  
C 16  
D 18

- A 7
- B 19
- C 43
- D 71

9 What does the following expression equal when  $x = 3$ ,  $y = 2$  and  $z = -1$ ?

$7x + 8y - 9z$

- A 22
- B 28
- C 29
- D 46

10 What does the following expression equal when  $a = 5$ ,  $b = 2$  and  $c = -3$ ?

$a + b(a + c)$

- A 5
- B 9
- C 12
- D 14



## ANSWER KEY

A **variable** is a letter, which stands for one or more numbers.

**True or false?**

- A** true
- B** false

(a)

In the expression,  $3x + 2y - 2x$ , there are three **variables**.

**True or false?**

$3x + 2y - 2x$

- A** true
- B** false

(b)

Which **expression** represents the following?

the product of two and a number

- A**  $2 + n$
- B**  $2 - n$
- C**  $2n$
- D**  $\frac{2}{n}$

(c)

Which **expression** represents the following?

four times a number squared diminished by six

- A**  $4^2 - 6$
- B**  $4n^2 - 6$
- C**  $4n - 6^2$

(b)



## PREVIEW

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What does the following expression equal when  $x = 3$ ,  $y = 2$  and  $z = -1$ ?

$7x + 8y - 9z$

- A** 22
- B** 28
- C** 29
- D** 46

(d)

What does the following expression equal when  $a = 5$ ,  $b = 2$  and  $c = -3$ ?

$a + b(a + c)$

- A** 5
- B** 9
- C** 12
- D** 14

(b)