

ADDITION PROPERTY

Commutative Property	$a + b = b + a$
Associative Property	$a + (b + c) = (a + b) + c$
Identity Property	$a + 0 = a$
Inverse Property	$a + (-a) = 0$

A) Find the missing numbers. Also indentify the property.

1 $9 + 3 = 3 + \underline{\hspace{2cm}}$

2 $3 + (4 + 6) = (3 + \underline{\hspace{2cm}}) + 6$

3 $39 + 0 = \underline{\hspace{2cm}}$

4 $(30 + 1) + 6 = \underline{\hspace{2cm}} + (1 + 6)$

B) Write each equation using commutative property.

1 $3 + 20 = 23$

2 $12 + 13 = 25$

C) Write each equation using associative property.

1 $(3 + 15) + 6 = 24$

2 $9 + (5 + 6) = 20$

D) Which of the following represents the inverse property?

1 $18 + 2 = 2 + 18$

2 $2 + (13 + 3) = 18$

3 $19 + (-19) = 0$

4 $30 + 0 = 30$

ADDITION PROPERTY

Answers

Commutative Property	$a + b = b + a$
Associative Property	$a + (b + c) = (a + b) + c$
Identity Property	$a + 0 = a$
Inverse Property	$a + (-a) = 0$

A) Find the missing numbers. Also indentify the property.

1 $9 + 3 = 3 + \underline{9}$

Commutative

2 $3 + (4 + 6) = (3 + \underline{4}) + 6$

Associative

3 $39 + 0 = \underline{39}$

Identity

4 $(30 + 1) + 6 = \underline{30} + (1 + 6)$

Associative

B) Write each equation using commutative property.

1 $3 + 20 = 23$

$20 + 3$

2 $12 + 13 = 25$

$13 + 12$

C) Write each equation using associative property.

1 $(3 + 15) + 6 = 24$

$3 + (15 + 6)$

2 $9 + (5 + 6) = 20$

$(9 + 5) + 6$

D) Which of the following represents the inverse property?

1 $18 + 2 = 2 + 18$

2 $2 + (13 + 3) = 18$

3 $19 + (-19) = 0$

4 $30 + 0 = 30$