Properties of Addition Worksheet

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Commutative Property	Numbers can be added in any order $a + b = b + a$ $4 + 3 = 3 + 4 = 7$
Associative Property	Numbers in group can be added in any combination $(a + b) + c = a + (b + c)$ $(1 + 2) + 3 = 1 + (2 + 3) = 6$
Identity Property	The sum of zero and any number is the number $a + 0 = a$ $2 + 0 = 2$
Inverse Property	A number added to its negative gives zero $a + (-a) = 0$

A) Identify the property of additions for each.

1. $7 + 3 = 3 + 7$ _____
2. $8 + (-8) = 0$ _____
3. $4 + 0 = 4$ _____
4. $(9 + 3) + 6 = 9 + (3 + 6)$ _____

B) Write the answers and the addition properties for the following:

1. $9 + 0 =$ 9, Identity
2. $3 + 12 =$ _____
3. $0 + 13 =$ _____
4. $18 + 3 =$ _____
5. $10 + (-10) =$ _____
6. $(15 + 2) + 1 =$ _____

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