Name: \_

## Associative Property of Addition

The *Associative Property of Addition* states that the sum of a set of numbers is the same, no matter how they are grouped.

Example: (2+3)+7 = 2+(3+7) 5+7 = 2+10|2 = |2

Part 1: Tell whether the sets of numbers are equal or not equal. Write an "equals sign" (=) on the line if the sets have equal sums. Write a "not equals sign" (≠) if the sets have unequal sums.

b. 
$$(9+5)+6$$
 \_\_\_\_\_  $9+(5+6)$ 

Part 2: Find the sum of the numbers on the left of the "equals sign" (=) and the sum of the numbers on the right. Write your answers on the lines below each problem.

e. 
$$(7+8)+9 = 7+(8+9)$$

f. 
$$(60 + 50) + 75 = 60 + (50 + 75)$$

g. 
$$(56 + 74) + 12 = 56 + (74 + 12)$$

h. 
$$(93 + 23) + |06| = 93 + (23 + |06)$$

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## Associative Property of Addition

The *Associative Property of Addition* states that the sum of a set of numbers is the same, no matter how they are grouped.

Example: (2+3)+7 = 2+(3+7) 5+7 = 2+1012 = 12

Part 1: Tell whether the sets of numbers are equal or not equal. Write an "equals sign" (=) on the line if the sets have equal sums. Write a "not equals sign" (≠) if the sets have unequal sums.

a. 
$$(3+4)+5$$
 \_\_\_\_\_  $3+(5+6)$ 

c. |3 + (42 + 90) \_\_\_≠\_\_\_ (|3 + 24) + 90

Part 2: Find the sum of the numbers on the left of the "equals sign" (=) and the sum of the numbers on the right. Write your answers on the lines below each problem.

e. 
$$(7+8)+9 = 7+(8+9)$$
  
\_\_\_24\_\_\_\_24

f. 
$$(60 + 50) + 75 = 60 + (50 + 75)$$
  
 $|85| |85|$ 

g. 
$$(56 + 74) + 12 = 56 + (74 + 12)$$

h. 
$$(93 + 23) + 106 = 93 + (23 + 106)$$
  
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