DO NOW

The sum of two numbers is 26. The larger number is one more than 4 times the smaller number. Find both numbers.

let x = larger #
y = smaller #

$x + y = 26$
$x = 4y + 1$

$x + y = 26$
$x + 5 = 26$
$x = 21$
$(21, 5)$

$4y + 1 + y = 26$
$-1 \quad -1$
$4y + y = 25$
$\frac{5y}{5} = \frac{25}{5}$
$y = 5$

Larger is 21
Smaller is 5

Mar 11-7:19 AM

HW ANSWERS

5. Let x = 1st #
y = 2nd #
x + y = 36
x - y = 26
1st # = 30
2nd # = 6

6. Let x = Smaller #
y = Larger #
x + y = 104
y = 2x - 1
Smaller # = 35
Larger # = 69

7. Let x = cost of bats
y = cost of baseballs
4x + 9y = 76.50
3x + 12y = 81
Bats = $9
Baseballs = $4.50

8. Let x = cost of a pizza
y = cost of a sandwich
3x + 4y = 68
3x + 7y = 92
Pizza = $12
Sandwich = $8

Dec 1-10:28 AM