Holiday Extra Credit \#1
Describe a Multi-Step Equation Solution
Using our Lyrics!
DUE: 0755hrs, 05 January 2016
Any submission time-stamped after the due date I will not grade.
Task: Describe each step of the correct solution to a multi-step linear equation using our lyrics!
Grading: All or nothing! No partial credit! It must be correct completely to earn the points.

## Background:

When we solve a multi-step linear equation such as: $3-2(x+1)=4 x-2(5-x)$ we do the following:
a. multiply (Distributive property)
b. Combine like terms
c. Eliminate variable terms from one side
d. Isolate the unknown term (Addition Property of Equality)
e. solve for the unknown (Multiplication Property of Equality)

You are going to use your lyrics to describe each step, for example:
$\frac{3}{4} x-5=13$
"to what you want some stuff you add, both sides add its opposite."
$\frac{3}{4} x-5+5=13+5$
"oops, dont' cry, simplify!
Equality properties never quit!"
$\frac{3}{4} x=18$
"If what you want's been multiplied, flip that factor and times both sides."
$\frac{4}{3} \cdot \frac{3}{4} x=18 \cdot \frac{4}{3}$
"oops, don't cry, simplify!"
$x=24$
"What you want's now all alone, and what it is, now you know!"
Here's your equation to describe and solve; show your work like the above example. Your solution should have no less than $\mathbf{7}$ but no more than $\mathbf{1 0}$ steps!

$$
2 x-3(x-5)+7 x=8+6(4-x)+2
$$

BONUS: Check your solution and describe using our lyrics!
Not good luck, but good SKILLS!

