Waaaaarm up!

Q1: Solve:

$4x - 28 = 2x - 16$

Q2: Solve:

$9(4x - 8) = 6(3 + 6x)$

Agenda

- Word of the Day/Overview
- Homework Check
- Lesson - Multiple variables!
- Group Work - Posters
- Homework
- Summary

pg. 136-138

HW CHECK #14

#1-6, 18-20, 24-27, 32, 33, 36, 39, 41, 42

1. 3
2. 5
3. 7
4. 3
5. 3
6. -2

18. identity
19. No solution
20. identity
24. No solution
25. 0
26. identity
27. 10

pg. 136-138

HW CHECK #14

#1-6, 18-20, 24-27, 32, 33, 36, 39, 41, 42

32. C

33. 1200 + 9b = 25b

36. Should be -9x, not +9x

39. No. An equation with 0 as a solution means the two lines cross at 0. An equation with no solution means the lines are parallel and never cross.

41. 3x = 12x

42. 4x + 4 = 3x + 7

Overview of Unit 2
Equations

LT1: Simplifying, 1 step equations, word problems

LT2: 2 step equations, variables on both sides, word problems

LT3: Converting equations to words and words to equations

Word of the Day

Bewilder Cause someone to be confused

Example: I was really bewildered why it snowed when it was 34º outside.

Let's set up C-Notes!

Topic: 2 step equations

EQ: How do I solve for one variable when there are multiple in the equation?

Date: October 7th, 2015

Check this out!

Solve this!

$$4y - 16x = 24$$

Write this down!

1. Treat all variables (except what you're solving for as numbers)

2. Variable you're solving for = everything else

3. Solve normally!

Write this down!

Example: $6y + 18x = 36$ Solve for x.

$-6y \qquad -6y$

(Treat y like a normal number.)

$$\frac{18x}{18} = \frac{36}{18} - \frac{6y}{18}$$

$$x = 2 - \frac{1}{3}y$$

Try this one!

Solve for t.

$$3t + 8g = -9$$

(hint: your answer should have **g** in it)

Practice!

PART 1

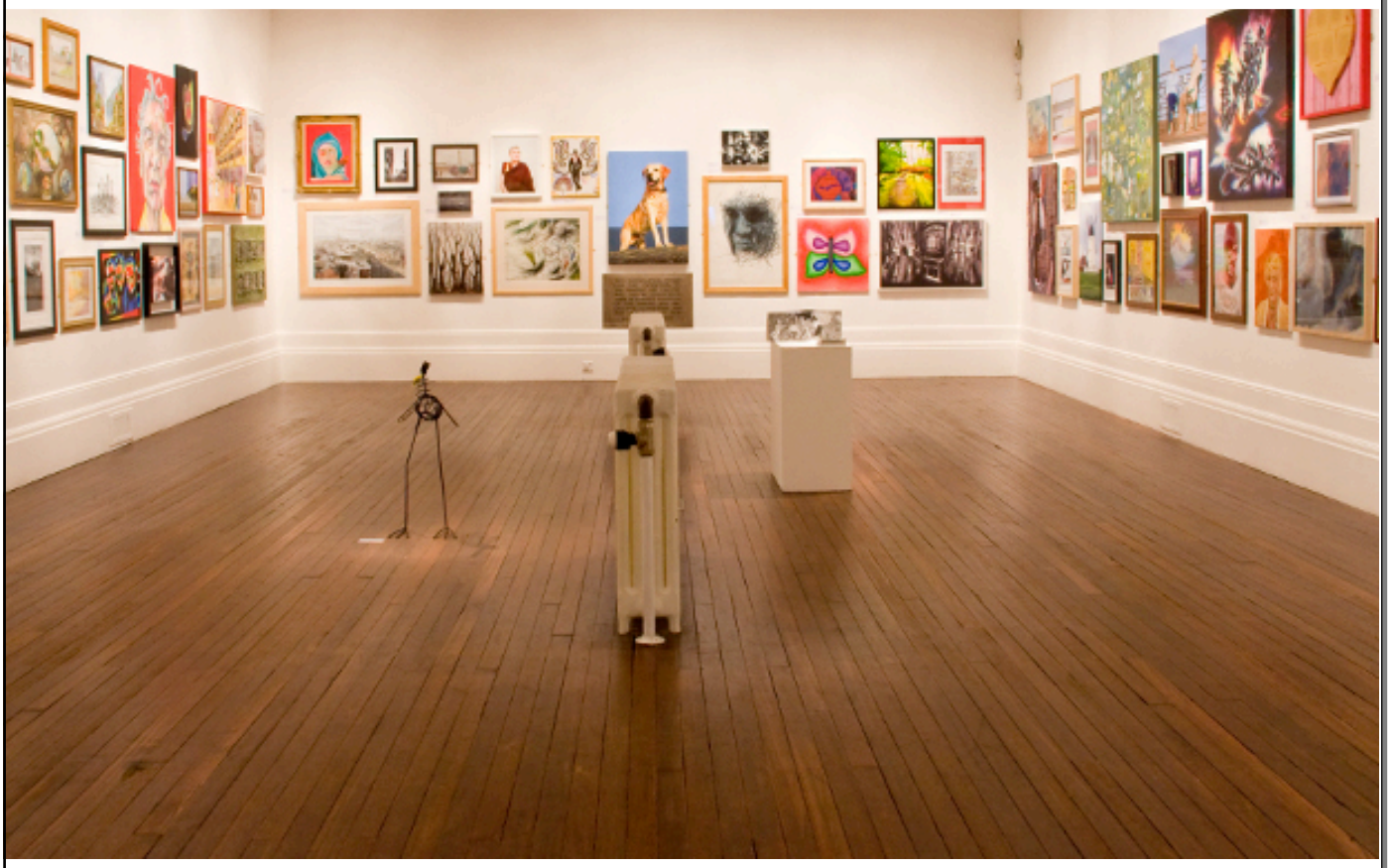
1. Get in groups or 3 or 4.
2. Each group will solve one problem. Make sure every person in the groups knows how to do solve it.
3. Write your answer neatly on a poster.

Practice!

PART 2

Gallery Walk! - Error Analysis

1. Go to a poster and look at the work. See if you can find any errors!
2. Look at as many posters as you can!



Homework!

#15

Worksheet -

Solving with Multiple Variables