P48 Lesson #8 Copie this in your notebooks. Label it p. 48 THIS IS ON COLORED PAPER BECAUSE IT'S IMPORTANT Torget what Solving Equations STEPS TO FOLLOW +0 do LOOK HERE Isolate the variable (get x by itself) #1. Remove your brackets (* If you have brackets) #2. Write each numerator over its denominator Cif you have a denominator #3 If you have a denominator, eliminate 1+ by MULTIPLYING EACH NUMERATOR by what your common denominator would be if you were looking for one J*After you multiply, (LCM - lessons 526) #4 Simplify each side of the equal sign, possible wanables on the right to the left #5. Move the term that isn't "stuck" to your variable first. Remember what you do to one side, you must do to the Other: Letters on the left. Numbers on the night #6. Move the other term. Remember what you do to one side you must do to the oth try this question the steps on p48 (backside of this page) $-1(-2x-4) = \frac{3x+2}{2}$

VERIFY

Now that you have finished compare your answer with mine $-1(-2x-4) = 3x+2 + 1 \cdot \text{Cet rid of brackets}$ $2x + 4 = 3x+2 + 2 \quad \text{Write each numerator with its denominator}$ $2x + 4 = 3x+2 + 2 \quad \text{Write each numerator by the number that would be your common denominator}$ $4x + 8 = 6x + 4 \quad \text{Would be your common denominator}$ $4x + 8 = 3x + 2 \quad \text{H4. letters on left}$ $x + 8 = 3 + 2 \quad \text{H4. letters on left}$ $x + 8 = 3 + 2 \quad \text{H4. letters on left}$

Verify -1(-2x-4) 3x+2 -1(-2x-4) 3(-6)+2 -1(12-4) -1(8) -1(8) -1(8)

Lesson #8 continued

Complete the following questions on a sheet of loose leaf. I. Copy the question 2. Show all your work 3. Keep your = in a nice, straight line 4. Circle your final answer 5. Venify your answer.

When you have finished, send me your answers? (ie Email a pic of your answers? work on looseleaf) Thank you!

a)
$$\frac{x}{2} = \frac{5}{10}$$

b)
$$\frac{x}{2} + 6 = -30$$

d)
$$\frac{x}{2} + \frac{1}{3} = 5$$

e)
$$\frac{2(x+3)}{2} = 10$$

$$f) \frac{K}{3} - \frac{1}{2} = -1\frac{3}{4}$$

$$(9) - 1 \times = 12$$

$$h) - x = -15$$

(1) $9) - 1 \times = 12$ 50 = 10 50 = 10