Week 5 Pre-Algebra Assignment:

Day 1: Chapter 2 test
Day 2: pp. 89-90 #1-25 odd, 27-33 odd
Day 3: pp. 89-90 #2-24, 26-34 even
Day 4: pp. 96-98 #1-29 odd, 31-37 odd
Day 5: pp. 96-98 #2-30 even, 32-38 even

Notes on Assignment:

Chapter 2 Test:

What's on the test:
- Match property names with examples
- Evaluate expressions given values for the variables
- Combine like terms
- Translate expressions into algebraic expressions
- Estimate by rounding

Pages 89-90: (#1-34)

Work to show:
> #1-6: Answers only
> #7-25: Write the equation, show what is being done to each side, and solve.
> #26-34: Write the let statement and equation only. <u>Do not solve</u>.

General Notes: Remember that when solving an equation we need to keep the equation balanced like a teeter-totter. That means we have to do the same thing to *both* sides of the equation. To undo addition, we subtract. To undo subtraction, we add.

Problems should be done as follows:
$$x + 4 = 19$$
$$x + 4 - 4 = 19 - 4$$
$$x = 15$$

#12: To undo the addition of -3 we are going to need to add 3, because the goal is to get 0, and -3 + 3 = 0. So, add 3 to both sides.

#13: Before you start this problem, change the $x - (-14) = -2$ to $x + 14 = -2$.

#14: Remember that it's the -17 that we need to undo, *not* the 32.

#24: To get rid of a -20, you will need to add 20 to both sides.

#26-34: You need to write a let statement first for these. You can use whatever variable you want. (The variable you choose may not match the one in the solutions, and that's ok.) Then write an equation. You do **not** need to solve these.

Pages 96-98: (#1-38)

Work to show:
  #1-6: Answers only
  #7-30: Write the equation, show what is being done to each side, and solve.
  #31-38: Write the let statement and equation only. <u>Do not solve</u>.

General Notes: Remember that when solving an equation we need to keep the equation balanced like a teeter-totter. That means we have to do the same thing to *both* sides of the equation. To undo multiplication, we divide. To undo division, we multiply.

Problems should be done as follows:

$$\frac{5x}{5} = \frac{20}{5}$$
$$1x = 4$$
$$x = 4$$

OR:

$$\left(\frac{3}{1}\right)\frac{n}{3} = \frac{7}{1}\left(\frac{3}{1}\right)$$
$$1n = 21$$
$$n = 21$$

#9: Remember to divide by -7 on both sides.

#10: If there is no number in front of the variable, put a 1.

#23: Remember that "of" means multiplication.

#27: Remember to use the division bar for division.

#31-38: You need to write a let statement first for these. You can use whatever variable you want. (The variable you choose may not match the one in the solutions, and that's ok.) Then write an equation. You do **not** need to solve these.