

## **Week 4 Pre-Algebra Assignment:**

Day 1: pp. 65-66 #1-20, 21-27 odd, 39-44

Day 2: pp. 72-73 #1-30, 41-49 odd

Day 3: p. 77 #1-17, 19-39 odd

Day 4: pp. 80-81 #1-49

Day 5: Cumulative Review 2 worksheet

### **Notes on Assignment:**

Pages 47-49: (#1-20, 21-27 odd, 39-44)

#### **Work to show:**

#1-12: Show any work needed.

#13-20: Write the problem down, circle the like terms as you combine them, and write the answer.

#21-27: Write the problem, circle like terms, and combine like terms. Then do the substitutions for the variables and calculate the answer.

#39-44: Answers only

#1-12: These problems need the groupings and/or the order changed. You can do that because each problem is either all addition or all multiplication.

#13-20: Write the problem down, then circle the like terms as you combine them. Remember that the sign in front of the number/term *belongs* to the number. Circle it *with* the term, then combine the like terms. Cross each term out after it's been combined with other terms.

#21-27: Do these the same as #13-20, but after you have the simplified expression you need to substitute the values in, then follow the order of operations to calculate the final answer.

Pages 72-73: (#1-30, 41-49 odd)

#### **Work to show:**

#1-30: Answers only.

#41-49: Clear the parentheses as you write the problem down. Then combine like terms.

**General notes for this section:**

Remember to use our table of key words when translating:

+	-	x	÷	=
sum	difference	product	quotient	is
total	decreased by	times	divide	gives
add	diminished by	multiply	divided by	equals
more than	subtract	twice	half	is equal to
plus	minus	triple	ratio	results in
increased by	less than*	of		

**All problems:** If no variable is stated, use  $n$  for the unknown number.

#10: Write quotients with the division bar (i.e. as a fraction.)

#14: Remember that when you see “less than” you need to put “- 4” out the back door.

#21: When you are told to do something to a sum or difference (in this case multiplying a sum by 3) you need to put the sum or difference in ( ).

#43: Clear the ( ) using Distributive, then combine like terms.

#45-7: Be careful with your negatives!

Page 77: (#1-17, 19-39 odd)

**Work to show:**

#1-9: Write the number down, underline the place you are rounding to, and draw an arrow to the number to the right. Then write your rounded answer.

#10-39: Write down the rounded numbers and then do the calculation.

#1-9: When you round, underline the place that you are rounding to, then look to the right of that digit. If the number to the right is 5 or more, raise the underlined number by one. If it is less than 5, leave the underlined digit the same. In either case, the digits to the right of the underlined digit become zeros.

#24: Round the numerator to 2 digits and the denominator to 1 digit. That would give you 300/20.

## Pages 80-81: (#1-49)

### **Work to show:**

#1-14: Answers only.

#15-22: Write the problem, clear the parentheses and then simplify.

#23-28: Write the problem, substitute the values, and then simplify.

#29-30: Answers only

#31-36: Write the problem, circle like terms and combine.

#37-44: Answers only

#45: Four answers

#46-49: Write the rounded numbers and then the answer.

#5: The numbers 6 and 9 are integers and when you add them you get an integer. What property does this demonstrate?

#14: Remember that any time we see subtraction, we can write it as addition. That is the definition of subtraction.

#15-18: Clear the ( ) and then simplify.

#23-28: Remember to follow the order of operations after you do your substitutions.

#40: Remember that “less than” is the one that you have to be careful of. That means 8 less than means “\_\_\_ - 8”. Also, use the fraction bar for quotients.

## Cumulative Review 2 worksheet

### **Work to show:**

#1-3, 7-8, 10-11: Answers only.

All other problems: Show work

#14: Simplify the expression before you make substitutions.