Week 5 Algebra 1 Assignment:

Day 1: pp. 88-89 #1-17 odd, 19-23, 26-30
Day 2: pp. 91-92 #1-13 odd, 15-24, 29-33
Day 3: p. 95 #1-27 odd, 28-40, 43-47
Day 4: p. 98 #1-21 odd, 24-32
Day 5: p. 102 #1-9 odd, 10-23

Notes on Assignment:

Pages 88-89:

Work to show:
      #1-7: Answers only.
      #9-13: Show any work needed.
      #15-23: Answers only.
      #26-30: Show any work needed.

#1-7: Remember to use our table of key words when translating:

+	-	x	÷
sum	difference	product	quotient
total	decreased by	times	divide
add	diminished by	multiply	divided by
more than	subtract	twice	half
plus	minus	triple	
	less than*	of	

#9-13: The domain is the set of numbers you are allowed to use for your problem. Write
      your answer as a set, using { }.

#19-23: If you do not remember the properties, they are listed on pages 12 and 20.

Pages 91-92:

Work to show:
      #1-24: Answers only is ok.
      #29-33: Show any work needed.

#1-24: Refer to the table above. Also, if you are told to do something with a sum or difference, make sure to put the sum or difference in parentheses.

#15: If a problem refers to a number more than once, use the same variable each time. If it refers to different numbers, use 2 different variables.

Page 95:

Work to show:
  #1-27: Answers only is ok.
  #28-40: Show work.
  #43-47: Show any work needed.

#11-15: These can be written with our without the multiplication dot.

#17-27: To change the sign on the exponent, you "kick it" to the other part of the fraction.

#29: I suggest writing the terms with positive exponents and then change the division problem to multiplication.

#30: If you don't remember the rules, then expand this by writing the fraction 4 times.

#32: Anything to the zero power is 1 (unless it is 0^0, which is undefined).

#33-37: I suggest writing tall of the terms with a positive exponents first, and then carry out the indicated operations.

#40: You can either use the rule of exponents for raising an exponent to an exponent, or you can change the -3 to a 3 by kicking the (x^4) downstairs first.

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Work to show:
  #1-21: Write the expression, fill it in, and work it out.

#1-21: Write the problem, fill it in with the given values, and work it out. Follow your order of operations.

#17-21: You will have to do some adding and subtracting of fractions. Remember that you have to get a common denominator!

<u>Page 102</u>:

#1-5: Remember that the sign in front of the number stays with the number. In #1, you must include the negative sign with the 5 when you list it as one of the coefficients.

#10-23: Like terms must have exactly the same variables raised to exactly the same exponents to be considered like terms. (Adding b and b^2 is like adding <u>ba</u>nanas to <u>b</u>lue<u>b</u>erries!)

#11: For problems like this, when you have a variable with no coefficient, put a 1 in front of it. (When you have a dog, it is the same as having **1** dog, so the variable d is the same as $1d$.)

#19-23: Write down the simplified expression, fill in the values given, and simplify.