

Name: _____

Date: _____

Unit 1 Study Guide

Use the following to review for you test. Work the Practice Problems on a separate sheet of paper.

What you need to know & be able to do	Things to remember		
1. Unit Conversions		1. Convert 1500dg to hg.	2. A bowl of cereal weighs 60 oz. How heavy is it in L?
	• There are 5280 feet in one mile • There are 0.034 ounces in one milliliter • There are 0.454 kg in one pound • There are 1.6 kilometers in one mile • There are 73 gallons in 2 barrels • There are 1.05 quarts in one liter • There are 4 quarts in one gallon • There are 16 ounces in a pound.	3. Convert 12 kilometers to inches.	4. You are in a car traveling that is traveling at 65 mph. How long will it take to travel to Chattanooga (150 miles away)?
2. Identify Vocabulary	• # of terms • Coefficients • Factors • Constants	5. How many terms are in the expression $12x^3 + 7x^2 - 4x - 19$?	6. What are the factors, coefficients, and constants in the expression $20x^4 - 11x + 3$?
3. Linear Models	$y = mx + b$ • m – increase or decrease • b – starting point	7. Lucy gets paid \$1.50 a week and \$10 for every computer she sells. Write an expression that represents her weekly income.	8. Andy wants to mail a package. It costs \$4.99 plus \$0.30 for every ounce the package weighs. Write an equation that represents the total cost of shipping the package.
6. Consecutive Integers	Start with x, $x + (x+1) + (x+2) + \dots =$	9. 3 consecutive integers add up to 153. Find the three integers.	10. Three ODD integers add up to 381. Find the integers.

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Answer Key

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