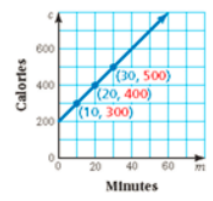


Cornell Notes	Name: _____
Topic: <u>Writing Equations in Two Variables Lesson 7.4</u>	Date: _____
	Period: _____

Essential Question: How can you write an equation in two variables?

Questions/Main Ideas:	Notes:			
Vocabulary	Equation in two variables - two quantities that change in relationship to one another			
	Solution of an equation in two variables - an ordered pair that makes the equation true			
	Independent Variable - variable representing the quantity that can change freely			
	Dependent Variable - the value depends on the independent variable			
Example 1	Identifying Solutions of Equations in Two Variables			
	a.) $y = 2x$; (3, 6)	b.) $y = 4x - 3$; (4, 12)		
*Ordered Pair = (X, Y)				
X is Independent				
Y is Dependent				
Your Turn!	1.) $y = 7x$; (2, 21)	2.) $y = 5x + 1$; (3, 16)		
Example 2	Using an Equation in Two Variables			
	The equation $y = 128 - 8x$ gives the amount y (in fluid ounces) of milk remaining in a gallon jug after you pour x cups.			
	a.) Identify the independent and dependent variables.			
	b.) How much milk remains in the jug after you pour 10 cups? Use the equation to find the value of y when x = 10.			
Example 3	Writing and Graphing an Equation in Two Variables			
	Minutes, m	$c = 200 + 10m$	Calories, c	Ordered Pair, (m,c)



Summary: Students should write a summary reflecting the above essential question.