Comparing Measurement with Tables and Equations Name:						
Solve each problem.						Answers
 Two companies are selling electricity by Kilo-watt hour. The cost of electricity for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x kilowatt hours. <u>Company A</u> Company B 						1. 2.
		Total Kilowatt- Hours		Total Cost (\$)	y = 0.08x	3
	1236		98.88			
	1419		9	113.52		
2)	 Find the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company. Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house. Contractor A Contractor B 					
		SquareTotal Price $y = 118x$				
	Feet (\$) 1993 229,195 1202 138,230					
			195			
			230			
3)	Find the t contracto					
	Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation,					
	with y representing the total cost in dollars for x pounds of sugar.					
	Г	Company A Total Total			Company B y = 0.20x	
		Total Pounds	To Cos		y – 0.20X	
	l	10		90		
	-	13		77		
What is the difference in price per pound between Company A and Company B?						

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for 81.44 Company A is represented in the table below, while the cost for Company B is represented 1. by an equation, with y representing the total cost in dollars for x kilowatt hours. **Company** A **Company B** y = 0.08xTotal **Total Kilowatt-**Cost 0.09 Hours (\$) 98.88 1236 1419 113.52 y = 0.08xFind the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company. Two contractors are bidding on building a house. Contractor A's price is represented in the 2) table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house. **Contractor A Contractor B** y = 118x**Total Price** Square Feet (\$) 1993 229,195 138,230 1202 y = 115xFind the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor. 3) Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of sugar. **Company A Company B** y = 0.20xTotal Total Pounds Cost (\$) 10 2.90 13 3.77 y = 0.29xWhat is the difference in price per pound between Company A and Company B?