|                     |   | Compan  | ig measureme         | in with rables and Equations Maine.               | -       |
|---------------------|---|---|----------------------|---|---------|
| Solve each problem. |   |   |                      |   | Answers |
| 1)                  | Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky.  |   |                      |   | 1       |
|                     | Company A Company B   |   |                      |   |         |
|                     | Г   | Total   | Total Cost           | y = 14.00x  | 2       |
|                     |   | Pounds  | (\$)                 |   | 3.      |
|                     | Ī   | 18  | 270.00               |   |         |
|                     |   | 20  | 300.00               |   |         |
|                     | Find the t  | otal cost in de   | ollars of buying     | 17 pounds of jerky from the cheapest company.     |         |
| 2)                  | Two junk yards offered money for scrap metal. Junk Yard A's price is represented in the table below. Junk Yard B's price is represented by an equation, with y representing the total price and x representing the pounds of metal recycled.<br>Junk Yard A Junk Yard B                               |   |                      |   |         |
|                     |   | <b>D Total Price</b>                                    |                      | y = 2.05x   |         |
|                     |   | Pounds  | 1 otal Price<br>(\$) | <i>y</i> 210212                                   |         |
|                     |   | 1359  | 2,813.13             | -   |         |
|                     |   | 1274  | 2,637.18             | -   |         |
|                     | Find the to junk yard.  |   | u'd get from recy    | cling 1,815 pounds of metal at the more expensive |         |
| 3)                  | Two companies are selling electricity by Kilo-watt hour. The cost of electricity for<br>Company A is represented in the table below, while the cost for Company B is represented<br>by an equation, with y representing the total cost in dollars for x kilowatt hours.<br><u>Company A</u> Company B |   |                      |   |         |
|                     |   | Total Kilowatt-<br>HoursTotal<br>Cost<br>(\$)1282141.02 |                      | y = 0.09x   |         |
|                     |   |   |                      |   |         |
|                     |   |   |                      | 2   |         |
|                     |   |   |                      |   |         |
|                     |   |   |                      | <u> </u>  |         |
|                     | What is the difference in price per kilowatt hour between Company A and Company B?  |   |                      |   |         |

Comparing Measurement with Tables and Equations **Answer Key** Name: Solve each problem. Answers 1) Two companies are selling beef jerky by the pound. The cost of jerky for Company A is 238 represented in the table below, while the cost for Company B is represented by an equation, 1. with y representing the total cost in dollars for x pounds of jerky. **Company A Company B** y = 14.00x**Total Cost** Total **Pounds** (\$) 0.02270.00 18 20 300.00 y = 15.00xFind the total cost in dollars of buying 17 pounds of jerky from the cheapest company. 2) Two junk yards offered money for scrap metal. Junk Yard A's price is represented in the table below. Junk Yard B's price is represented by an equation, with y representing the total price and x representing the pounds of metal recycled. Junk Yard A Junk Yard B y = 2.05x**Total Price Pounds** (\$) 1359 2,813.13 1274 2,637.18 y = 2.07xFind the total price you'd get from recycling 1,815 pounds of metal at the more expensive junk yard. 3) 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. **Company B Company** A y = 0.09xTotal **Total Kilowatt-**Cost Hours (\$) 1282 141.02 1196 131.56 y = 0.11xWhat is the difference in price per kilowatt hour between Company A and Company B?

Math