The Wishings:
Electricity Delivery Cost Rate of Change

*Directions: The table below lists the **kWh Used** by the Wishings as well as the **Delivery Cost** of this electricity. Find the **Rate of Change** between each of the data points. Two have been done for you. After completing the table, answer the questions on the next page.*

kWh Used	Delivery Cost	<u>This Row's Cost – Previous Row's Cost</u> This Row's kWh – Previous Row's kWh	Rate of Change of Cost per kWh	Rate of Change of Cost per kWh (Rounded to nearest hundredth)
20	$8.36	***********************************	*******	
60	$8.36	<u>8.36 – 8.36</u> 60- 20	$0 per kWh	$0 per kWh
80	$8.36			
100	$8.36			
120	$9.56			
220	$15.54			
300	$20.32			
400	$26.31			
500	$32.29	<u>32.39 – 26.31</u> 500-400	$0.0598 per kWh	$0.06 per kWh
600	$38.27			
660	$41.86			
750	$47.24			

1 What can you say about the *Rate of Change?* (Is it always the same? Is it sometimes the same? When?)

2 How does the *Rate of Change* relate to the graph of this data? (Graph B)

3 What does the *Cost per kWh* represent as far as what the family pays?