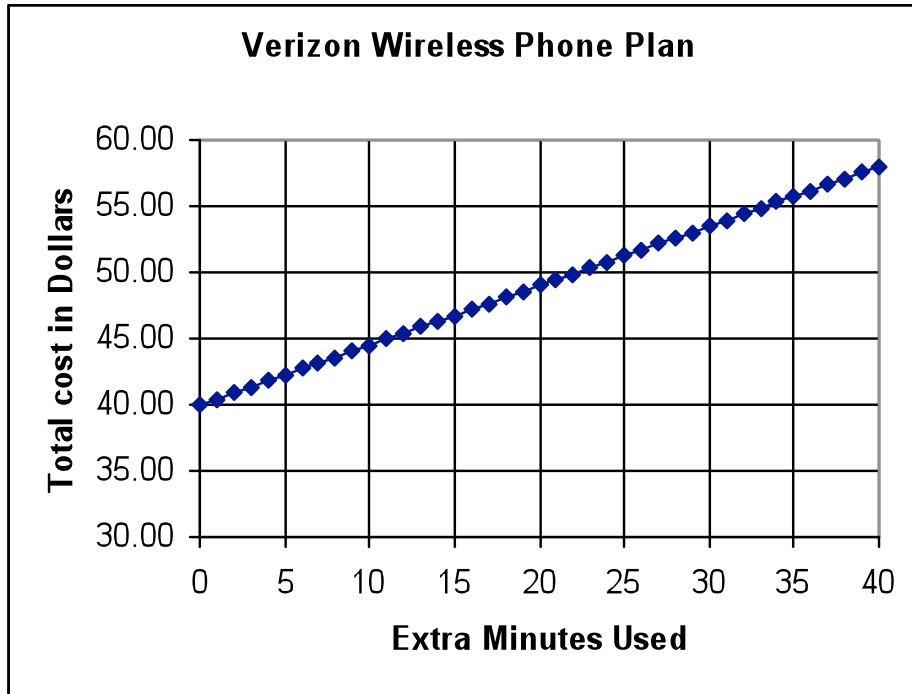


Name: _____ Period: _____ Date: _____

Verizon Wireless Charges

Some companies use graphs to “prove”, for example, that they are cheaper or the better choice. To make good decisions, it is important that we learn how to read a graph.

Below is a graph of a Verizon Wireless cell phone plan. The cell phone plan lets us use 450 minutes per month. You are charged a fee for each extra minute you use (beyond the 450).



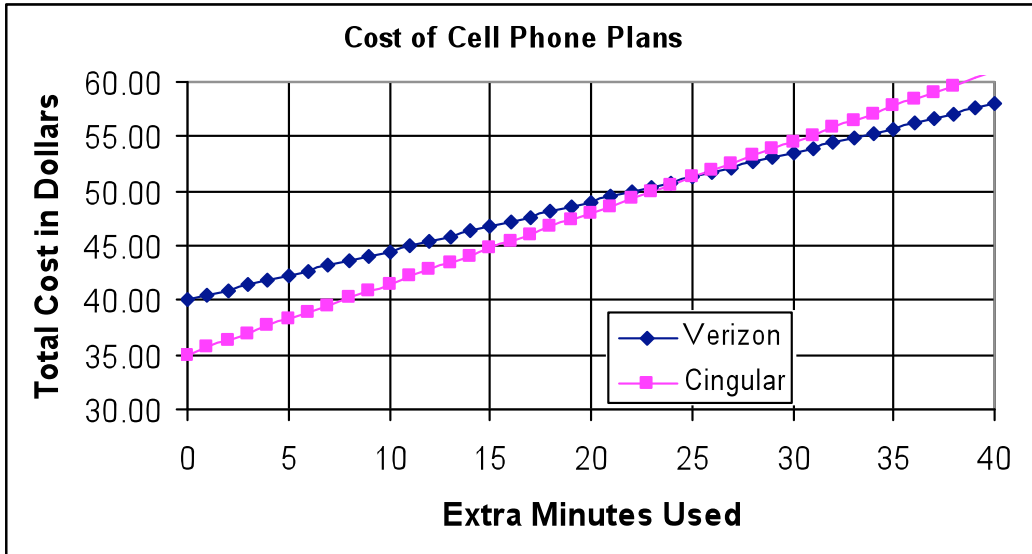
1. Read the title and the labels of the graph. In a complete sentence, explain what this graph tells us about this Verizon cell phone plan.

2. Describe the line on the graph. Be specific and use some of our vocabulary words on the board.

Name: _____ Period: _____ Date: _____

Verizon Wireless or Cingular Wireless?

Below is a graph with the charges for a Verizon plan and a Cingular plan.



1. Your friend asked you to help her choose a cell phone company. Explain what you know about the Cingular Wireless plan by looking at the graph.
2. Which plan would you recommend to your friend? Explain your reasoning. Use some of our vocabulary words in your explanation.



Check point 1! Please call an instructor over for a group quiz. Everyone should be able to explain your answers to #1&2 and how you figured it out. _____

3. Juan has Verizon. He talked for 455 minutes one month. Verizon charged him \$42.25. How much does each extra minute cost?

4. **Challenge problem!** Every line has an equation. What's the equation for the graph of the total cost of a Verizon Wireless plan? Circle your answer. (X is the number of minutes you use *over* 450.)

a.) Total Cost = $0.45 + 40X$

b.) Total Cost = $X + 0.45$

c.) Total Cost = $40 + 0.45X$

5. Marilyn has Cingular. She talked for 460 minutes one month. Cingular charged her \$41.50. How much does each extra minute cost?

6. **Challenge problem!** Which of the following equations represents the charges for Cingular Wireless? Circle your answer. (X is the number of minutes you use *over* 450.)

d.) Total Cost = $35 + X$

e.) Total Cost = $35 + 0.65X$

f.) Total Cost = $X + 0.65$

g.) Total Cost = $0.65 + 35X$



Check point 2! Please call an instructor over for a group quiz. Everyone should be able to explain your answers to #5 & 6 and how you figured it out. _____

Extension problem:

You want to start a new cell phone company. With your partner, come up with a phone plan that is more expensive than both Verizon and Cingular when you don't use many minutes, but is more expensive than Verizon and Cingular when you use a lot of minutes. Be sure to tell us what your company name is and what your charges are!