

Talk Easy: $g(x) =$

(numbers of minutes) x	50	100	150	200	250	300	350	400
(cost in dollars) $g(x)$								

Use the table, graph, and/or rule to help answer the following questions:

3. Which company would be a better financial deal if you plan to use the phone for 200 minutes a month? Explain your reasoning.

4. Which company would be a better financial deal if you plan to use the phone for 500 minutes a month? Explain your reasoning.

5. Depending on the number of minutes you talk on the phone each month, explain to your parents which cellular phone plan is more economical. Include in your explanation the point at which both cellular phone plans cost the same amount of money.

6. If you know the cost of each plan for 300 minutes, can you double this cost to find the cost for 600 minutes? Explain your answer.

Additional Questions for Talk is Cheap Task

7. Should you connect the points on your graphs? Is the data discrete or continuous?

8. $f(100)=$

$g(150)=$

$f(250)=$

$g(200)=$

$x= ____, f(x)= 35$

$x= ____, g(x)= 20$

$x= ____, f(x)= 40$

$x= ____, g(x)= 34$

9. Where do the two graphs intersect? Show this algebraically. (HINT: set equations equal)

10. What does the point of intersection mean?