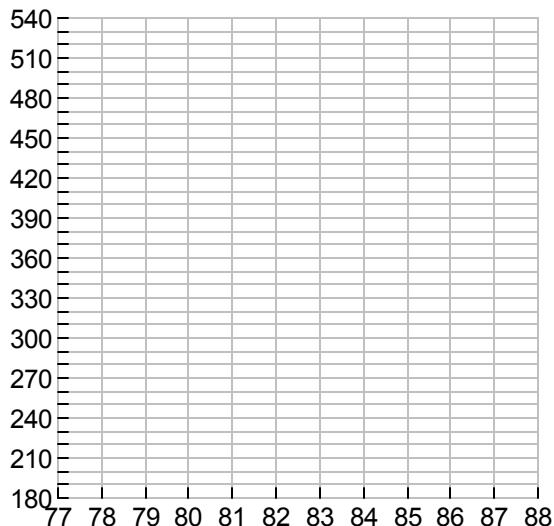


Review of Residuals

1) Enter the data from the table below into your calculator:

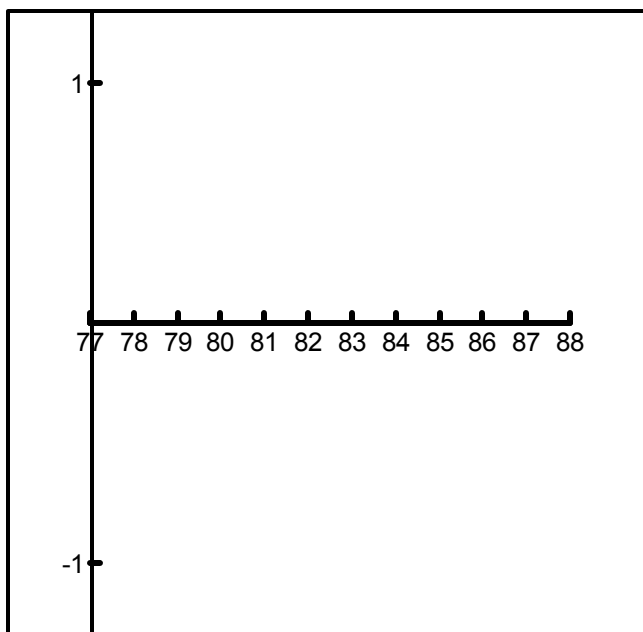
Year	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Cost/Day (\$)	194	217	245	284	327	369	411	460	501	539

2) Make a sketch of the graph of the data:



3) Find the equation that models the data:  $y =$  \_\_\_\_\_  
and the correlation coefficient  $r$  \_\_\_\_\_

4) Find the  $\sum x^2$  \_\_\_\_\_ and sketch a graph of the residual plot indicating the scales and labels of the axes

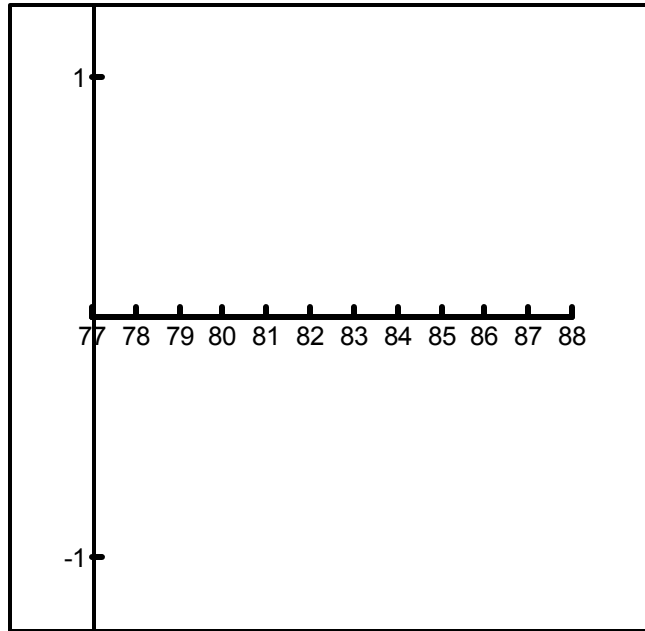


5) Indicate the range of the residuals: \_\_\_\_\_

6) From the residual plot, determine which function would model the data better: \_\_\_\_\_

7) Use that function on the data and indicate the equation: \_\_\_\_\_

8) Find the  $\sum x^2$  \_\_\_\_\_ and sketch a graph of the residual plot indicating the scales and labels of the axes



9) Indicate the range of the residuals: \_\_\_\_\_

10) State which equation models the data better and why.