Hours Spent Studying	Math SAT Score	1. Make a scatter plot and sketch what you see on the screen.
4	390	
9	580	
10	650	
14	730	 Find either a Linear or Quadratic Regression equation, whichever one seems to be a better fit for the data
4	410	
7	530	
12	600	
22	790	

3. Use this equation to find the # of hours studied if the SAT score was 200.

4. If the score was 450 find the number of hours studied.

x (advertising expenditures) y (firm's revem		
20	6,101	
22	6,222	
25	6,350	
25	6,378	
27	6,453	
28	6,423	
29	6,360	
31	6,231	

5. Make a scatter plot and sketch what you see on the screen.

6. Find either a Linear or Quadratic Regression equation, whichever one seems to be a better fit for the data

- 7. Find the firm's revenue if their expenditures were 40.
- 8. Find the firm's expenditures if their revenue was 5000.



$$Y = 6000$$
 $6000 = -7.76 \times 2 + 911.88 \times +772.02$
 $Quad$
Formula $X = 33.79 \text{ or } 19,29$