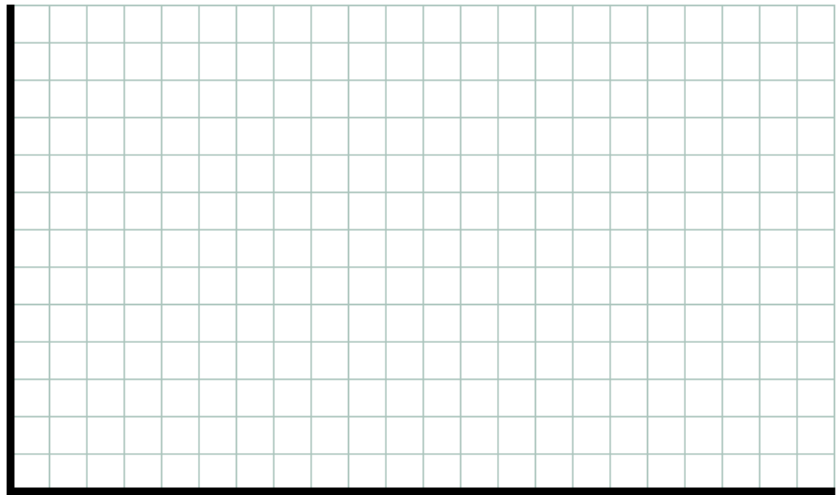


- 1) Amy did an experiment in her IPC class. She recorded the height of a burning candle for 10 minutes. She recorded her findings in the table below.

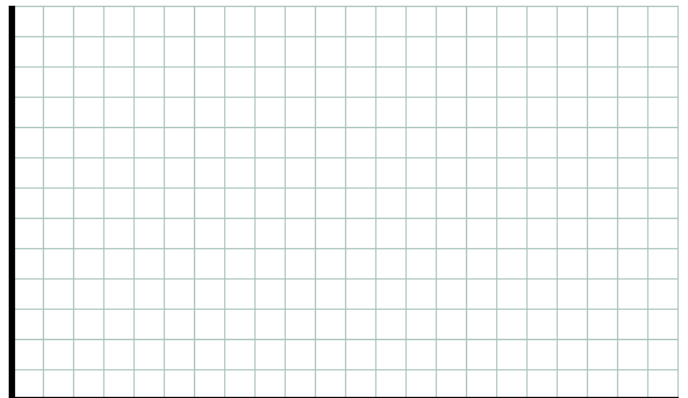
time	height
0	12
1	11
2	11
3	9
4	8
5	7.5
6	6
7	5.5
8	4
9	2.5
10	2



- Plot these points on the graph above. Label the x and y axis. Indicate the scale on each axis.
- Identify the independent variable. _____
- Identify the dependent variable. _____
- What type of correlation does this data have? _____
- Predict how long it will take for the candle to burn completely down to nothing.
- Draw a trend-line, if possible.

- 2) Mr. Bingham did a survey of some students and recorded how long they studied and what grade they made on the first quiz. The information is in the chart below.

Hours studied	0	0.5	1	1.5	2
Grade on quiz	65	75	80	90	100

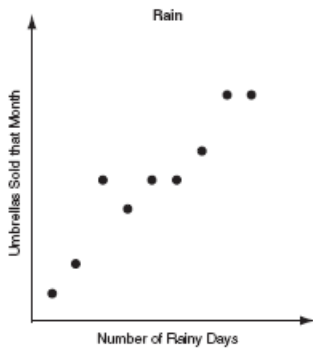


- Plot these points on the graph above. Label the x and y axis. Indicate the scale on each axis.
- Identify the independent variable.

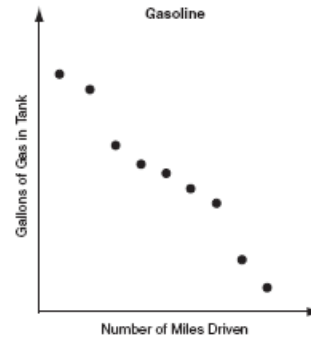
- Identify the dependent variable. _____
- What type of correlation does this data have? _____
- Draw a trend-line, if possible.

Write positive, negative, or no correlation to describe the correlation illustrated/given by each.

3)



4)



5) The number of pets a person has and the number of times they go to a pet store. _____

6) The height of an algebra student and the number of phone calls they make in one week. _____

7) The number of chicken pox vaccines given and the number pox cases reported. _____

The table shows the total sales from a clothing store sales in the US from 1997 to 2002.

Year	1997	1998	1999	2000	2001	2002
Sales in thousands	45	50	48	60	20	29

8) Put this table in the graphing calculator. What is the equation?

9) What type of correlation does this represent?