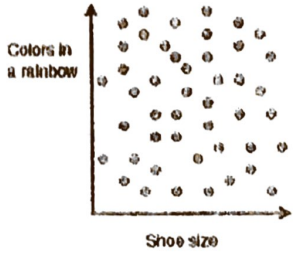


Classify the scatter plots shown by both:

- a) type of correlation shown - positive, negative, or no correlation
- b) linear or non-linear.

1.



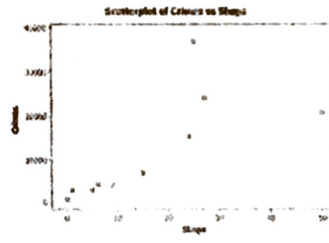
- a. No correlation
- b. NON-linear

2.



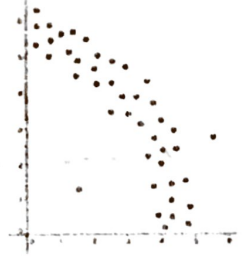
- a. Negative
- b. Linear

3.



- a. Positive
- b. NON-linear

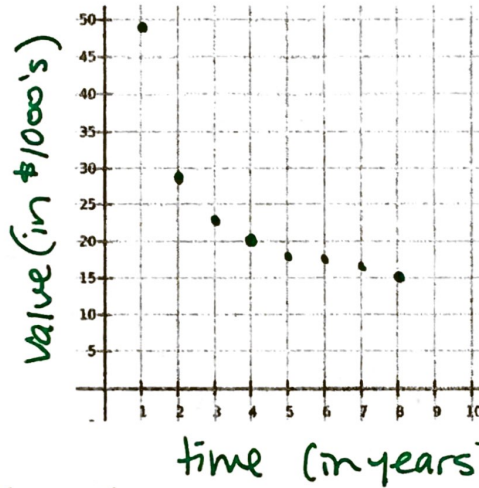
4.



- a. Negative
- b. NON-linear

5. Make a scatter plot using the information given regarding the amount of time you own a car and it's value. **Label each axis!!**

Time (years)	Value (\$1000's)
1	48
2	28
3	23
4	20
5	18
6	17
7	16
8	15



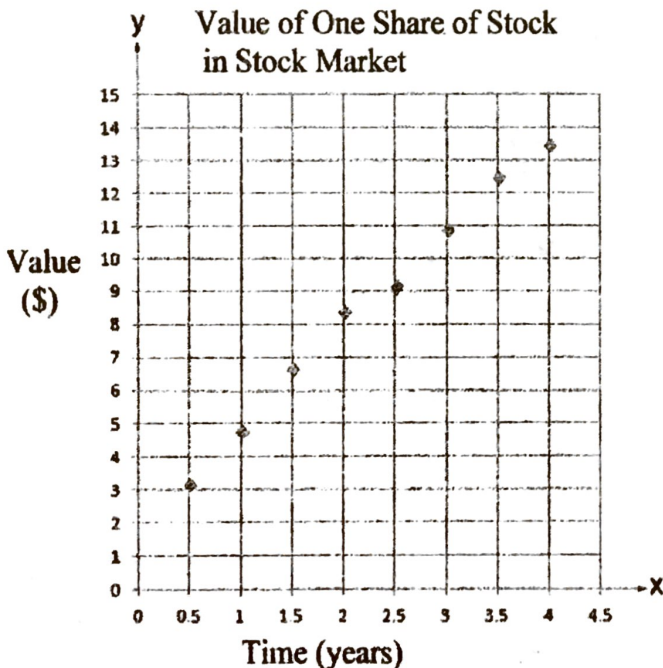
Classify the scatter plot (circle your answers)

Positive correlation    No correlation

Negative Correlation

Linear    Non-linear

Use the scatter plot below to answer the questions. Pay attention to the scale on each axis!



6. What would be the equation for the line of best fit?

~~a.~~  $y = \frac{5}{2}x + 1$       b.  $y = 3x + 2$

~~c.~~  $y = -2x + 2$       ~~d.~~  $y = 2x + 1$

7. USE THE EQUATION you picked in Question 6 to make a conjecture (prediction) for how much a share of Stock is worth after 6 years.

$y = 3(6) + 2$       \$20

8. USE THE EQUATION you picked in Question 6 to make a conjecture (prediction) for how much a share of Stock is worth after 10 years.

$y = 3(10) + 2$       432