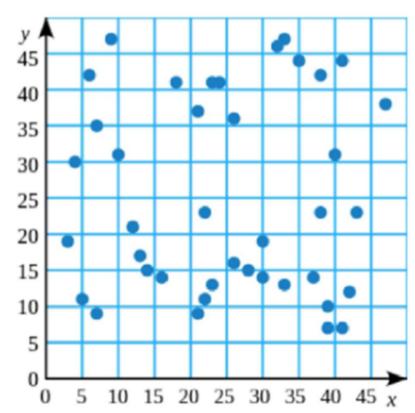
Pre-Algebra – Study Sheet for Test Chapter 4 Section 5-6 – 7th Grade

Name:	Date:	Hour:	
Instructions: Complete the fo	ollowing problems.		

1. Describe the relationship between the data in the scatter plot.



- a. Positive linear
- b. Negative linear
- c. Nonlinear
- l. No relationship

2. Fill in the blanks.

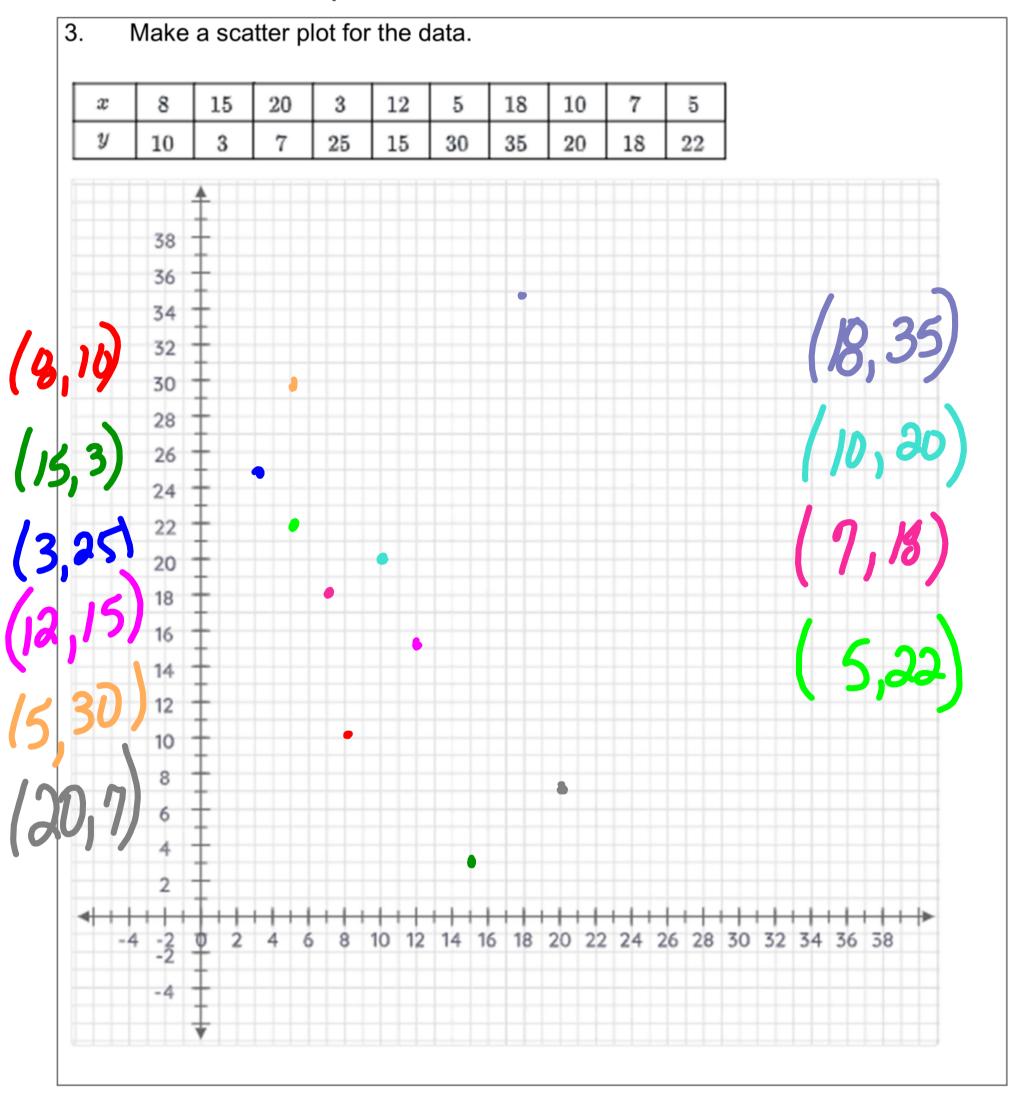
The table shows the number of hours spent studying and the test scores for several students. An equation of the line of fit through (1,62) and (9,98) is y=4.5x+57.5. Interpret the slope and the y-intercept.

Hours, x	9	3	2	8	6	1	8	5	4	7
Test Score, y	98	85	70	92	79	62	88	85	80	96

The slope is $\frac{145}{9}$ and the *y*-intercept is $\frac{575}{9}$. So, a student who studies 0 hours

is expected to earn a $\frac{575}{5}$ on the test, and the score increases by about $\frac{45}{5}$ points per hour spent studying.

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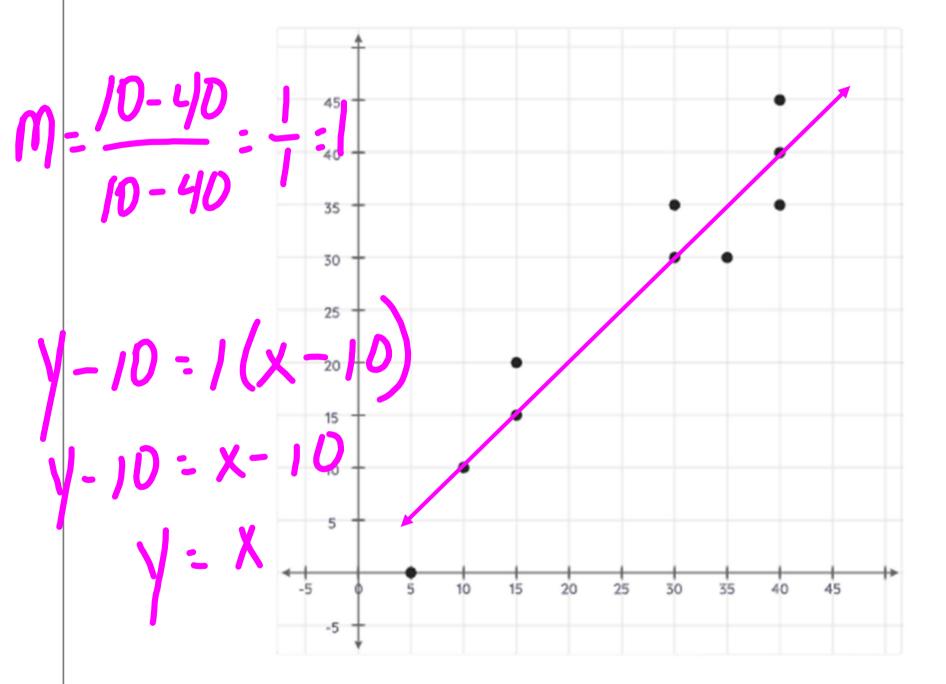


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4. Complete the following.

Part A Draw a line of fit using (40, 40) and (10, 10).

x	35	5	30	40	40	30	40	15	10	15
y	30	0	30	45	35	35	40	15	10	20



Part B An equation of the line of fit is y =_____