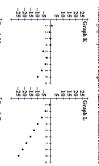
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ExamView

ExamView

Which graph represents a negative linear asso



a. Graph M
b. Graph K c. Graph I d. Graph P

> a. Point P
> b. Point L Which point

c. Point T
d. Point M

on the scatter plot is an outlier?

<u>1</u>

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• P

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ExamView 3

vl_pre-alg_06_06_examples_notes.gwb - 3/16 - Tue Nov 01 2016 16:35:06

For which set of data will the scatter plot represent a **positive nonlinear** association between *x* and *y*?

	_	_	_	
	y	х		
	12	1		
	8	2		
	11	3		
S	Ξ	4	Se	
Set I	5	5	Set K	
	00	6		
	7	7		
		8		
	6	9		

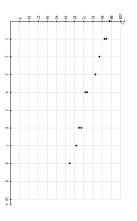
		y	х	
•		-5	1	
,		-8	2	
,		-11	3	
	Set M	-14	4	Ş
,	M	-17	5	2000
١		-20	6	
,		-23	7	
,		-26	8	
,		-29	9	
	_	_	_	-

y	X		y
	1		-11
ß	2		-0
5	3		-8
7	4	Set P	-4
9	5	t P	->
=	6		-4
13	7		3
15	8		4
17	9		0

a. Set P
b. Set M р. С Set K Set L

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ExamView



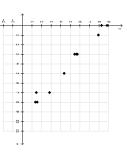
increases? The scatter plot shows the test scores of a group of students who surfed the internet for different amounts of time in a day. What will most likely be the effect on the test scores of students if the number of hours they surf the internet

Test scores will increase because the graph shows a positive association.
 Test scores will decrease because the graph shows a negative association.
 Test scores will cherease because the graph shows a positive association.
 Test scores will increase because the graph shows a negative association.

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d_pre-alg_06_06_examples_notes.gwb - 5/16 - Tue Nov 01 2016 16:38:10

ExamView

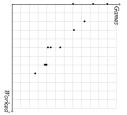


Which two ordered pairs can be joined to draw most accurately the line of best fit on this scatter plot?

- a. (3, 6) and (7, 3) b. (3, 7) and (6, 3) c. (2, 6) and (6, 3) d. (3, 6) and (6, 3)

vl_pre-alg_06_06_examples_notes.gwb - 7/16 - Tue Nov 01 2016 16:39:56

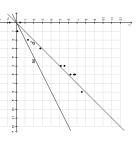
ExamView



A group of students plotted the amount of time they worked weekly during the holidays and the time they spent playing video games. Which statement best describes the relationship between the time spent working and the time spent playing video games?

- More time worked, more time spent playing video games.
 There is no relationship between time spent working and time spent playing video games.
 More time worked, less time spent playing video games.
 Less time worked, less time spent playing video games.

ExamView



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Which line best represents the line of best fit? The labels for each line is written to the right of the line.

- Line p, because it is closest to most data points
 Line p, because it shows a positive association
 Line m, because it shows a negative association
 Line m, because it is closest to most data points

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ExamView

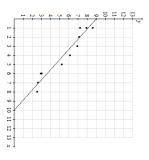
slope of the equation? The equation of the line of best fit of a scatter plot is y = -7x + 3. What is the

ġ.

d. **ω** −3

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Chris drew the line of best fit on the scatter plot shown above. What is the approximate equation of this line of best fit in slope-intercept form?

a.
$$y = -\frac{9}{10}x + 9$$

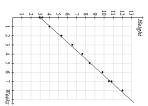
b. $y = \frac{10}{9}x + 10$

c.
$$y = \frac{9}{10}x + 10$$

d. $y = -\frac{10}{9}x + 9$

vl_pre-alg_06_06_examples_notes.gwb - 11/16 - Tue Nov 01 2016 16:44:04

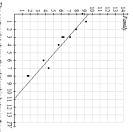
ExamView



The graph shows the heights, y (in centimeters), of plants after a certain number of weeks, x. Chris drew the line of best fit on the graph. What would most likely be the approximate height of the plants after 9 weeks?

c. 11.9 d. 10.4

ExamView



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The scatter plot shows the relationship between the number of hours students spend watching television and the numer of hours they spend with family each week. What is the y-intercept of the line of best fit and what does it represent?

- a 95 hours; the number of hours students which the vision in a week when they do not spend time with family.
 b. 10.9 hours; the number of hours students spend with family in a week when they do not which the vision.
 c. 10.9 hours; the number of hours students which the vision in a week when they do not spend time with family.
 d. 9.5 hours; the number of hours students spend with family in a week when they do not watch the vision.
 d. 9.5 hours; the number of hours students spend with family in a week when they do not watch the vision.

vl_pre-alg_06_06_examples_notes.gwb - 12/16 - Tue Nov 01 2016 16:45:19



Total	Rope	Don't Like Jumping	Like Jumping rope		
85		50	35	Like Singing	
105		???	30	Don't Like Singing	
190		125	65	Total	

jumping rope. What is the missing number in the table? The table shows the number of students in a school who like singing and/or like

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۷)	
	>	

c. 75 d. 100

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lunch and/or who ride the bus. How many fewer bring lunch than ride the bus? The two-way table shows the number of students in a school who bring their

Total	Don't Ride Bus	Ride Bus	
75	40	35	Bring Lunch
103	60	43	Don't Bring Lunch
178	100	78	Total

5 6

d. c.

vl_pre-alg_06_06_examples_notes.gwb - 15/16 - Tue Nov 01 2016 16:48:37

ExamView

A group of students were surveyed to find out if they like working as a camp counsider and/or as a lifeguard during summer break. The results of the survey are shown below.

guard Saludents like working as a life guard 63 students do not like working as a camp counselor or life guard 92 students like working as a camp counselor
50 students like working as a camp counselor but do not like working as a life

Four students created the tables below to represent the data. CC represents camp counselor and LG represents lifeguard. Which student's table is correct

Lim LG brillim LG Total	42 48 92	42 63	113 197
Total	92	105	197
Brandon	Lian CC	Don't Like CC	Total

Total	Don't Like LG	LieLG	Jenny	Total	Don't Like LG	Limite	Brandon	Total	Don't Like LG	LimiG	Stere
92	50	42	LineCC	92	50	42	13a CC	92	46	42	Line CC
106	63	45	Don't Lisa CC	105	63	42	Don't Like CC	8	63	42	Don't Like CC
197	113	84	Total	197	113	83	Total	197	113	84	Total

- a. Brandon b. Amy
- c. Jenny d. Steve

rl_pre-alg_06_06_examples_notes.gwb - 14/16 - Tue Nov 01 2016 16:47:04



The table shows the number of students in a school who like dogs and/or parrots. What is the relative frequency, by row, of students who like both dogs and parrots?

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_			
Total	Don't Like Parrots	Like Parrots	
88	50	38	Like Dogs
98	54	44	Don't Like Dogs
186	104	82	Total

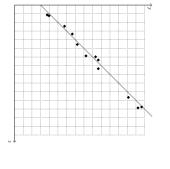
45.3%

b. 46.3%

c. 48.3% d. 49.3%

ExamView

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Is the line in the graph positioned well to be a line of best fit? Support your answer. Include at least three complete sentences in your response.

4