

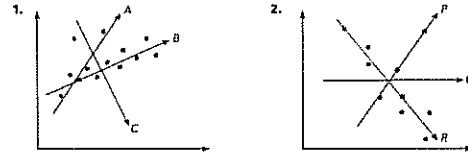
Homework

Due Wednesday
4/8

Name: _____ Date: _____

Lesson 10.2 Modeling Linear Associations

State the line that represents a line of best fit for each scatter plot.

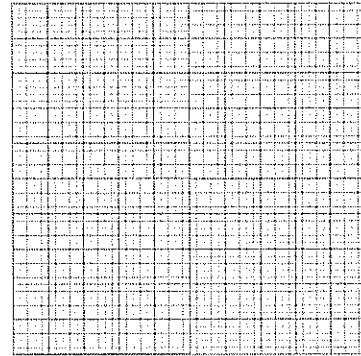


Draw a scatter plot and a line of best fit for each table of bivariate data.

3. Use 1 centimeter on the horizontal axis to represent 0.1 unit for the interval 0 to 1.0. Use 1 centimeter on the vertical axis to represent 5 units.

X	0.4	0.5	0.4	0.7	0.3	0.6	0.4
Y	17	21	14	30	13	25	19

X	0.5	0.6	0.5	0.8	0.7	0.3	0.2
Y	20	23	8	36	29	10	6



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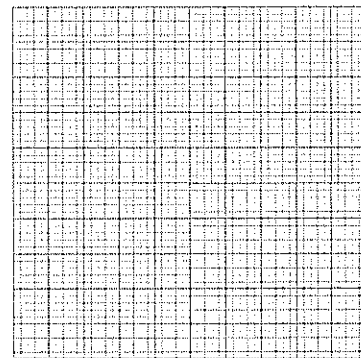
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Draw a scatter plot and a line of best fit for each table of bivariate data.

4. Use 1 centimeter on the horizontal axis to represent 10 units. Use 1 centimeter on the vertical axis to represent 10 units.

W	60	50	70	40	30	60	70	30
V	28	40	20	53	30	31	22	60

W	40	20	30	50	40	80	20
V	48	70	58	44	52	12	72



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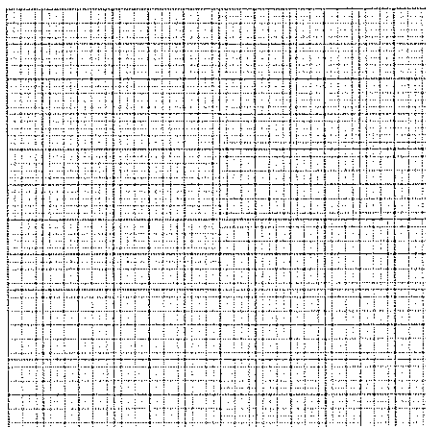
Name: _____ Date: _____

Draw a scatter plot and a line of best fit for each table of bivariate data.

5. Use 1 centimeter on the horizontal axis to represent 1 second. Use 1 centimeter on the vertical axis to represent 10 meters.

Time (t seconds)	7	5	4	1	8	3	2	9
Distance (d meters)	76	59	51	20	92	40	32	98

Time (t seconds)	7	5	4	6	2	3	5
Distance (d meters)	62	62	81	72	20	44	58



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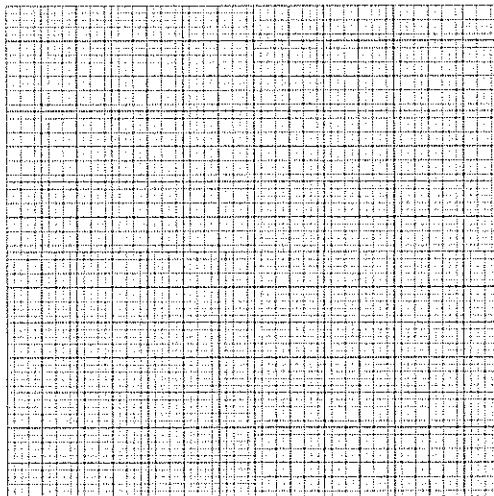
Name: _____ Date: _____

Draw a scatter plot and a line of best fit for each table of bivariate data.
Find the equation of the line of best fit.

6. Use 1 centimeter on the horizontal axis to represent 1 worker for the x interval from 20 to 30. Use 1 centimeter on the vertical axis to represent 10 items produced for the y interval from 170 to 280.

Number of Workers (x)	24	23	30	21	28	25	30
Number of Items Produced (y)	210	202	196	176	246	222	274

Number of Workers (x)	27	27	26	23	29	26
Number of Items Produced (y)	270	242	230	198	256	240



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