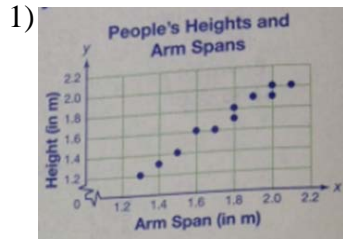
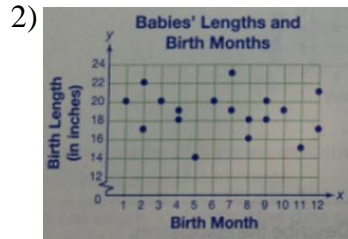
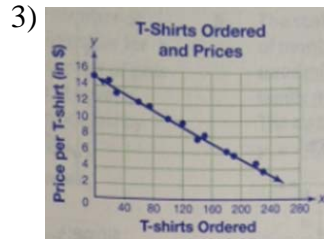


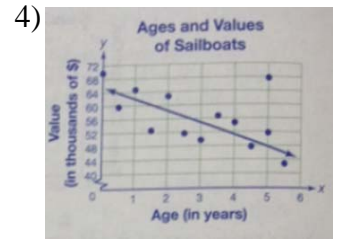
Scatter Plots Review #2 (page 1)

For each of the following scatter plots, describe the association shown between the two variables as either linear or nonlinear—or if no association is shown, state that. If the association is linear, identify it as positive or negative, strong or weak.



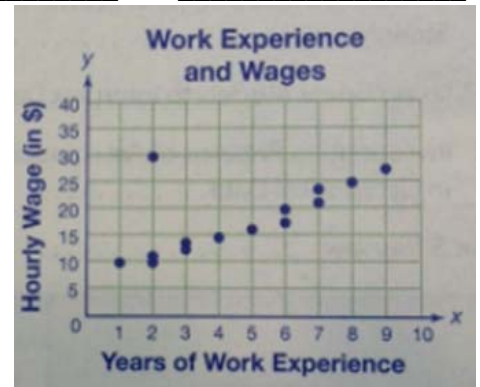






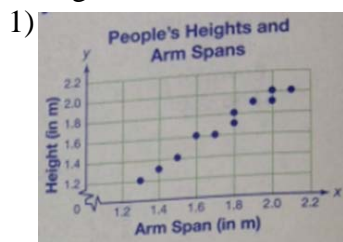
5) The scatter plot shows the how the years of work experience relates to the hourly wage in a local restaurant.

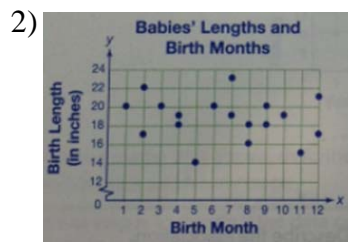
- Draw a line of best fit for the data.
- Based on your line on best fit, would you expect an employee of 10 years with the restaurant to earn \$30 per hour? Explain.
- List any outliers.

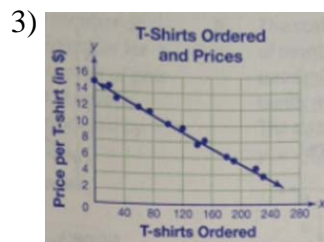


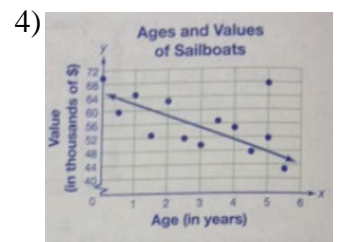
Scatter Plots Review #2 (page 1)

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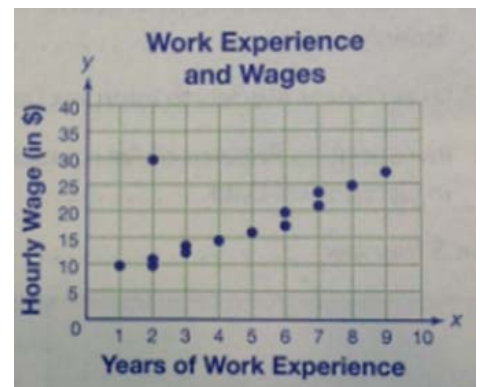






5) The scatter plot shows the how the years of work experience relates to the hourly wage in a local restaurant.

- Draw a line of best fit for the data.
- Based on your line on best fit, would you expect an employee of 10 years with the restaurant to earn \$30 per hour? Explain.
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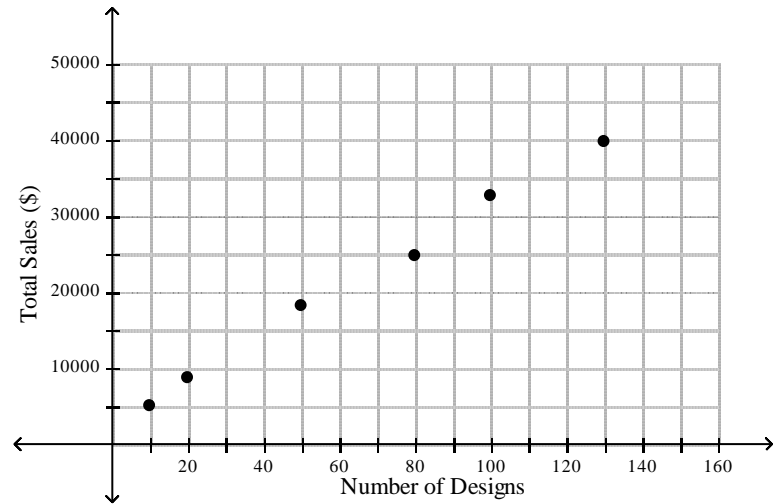


Scatter Plots Review #2 (page 2)

6) The scatter plot shows the relationship between the weekly total sales (\$) and the number of different rug designs a rug store has.

- Draw a line of best fit.
- Write an equation for the line of best fit in slope-intercept form.

c) Interpret the slope and y-intercept



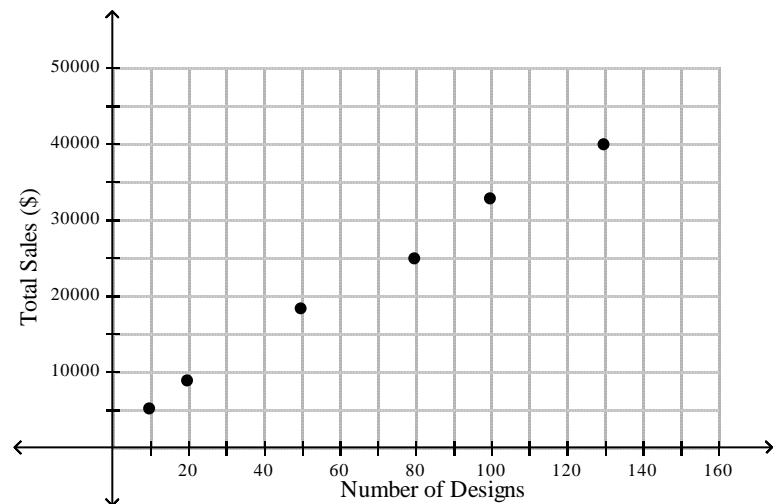
d) Based on this relationship, predict what the total sales will be when the store has 110 different rug designs.

Scatter Plots Review #2 (page 2)

6) The scatter plot shows the relationship between the weekly total sales (\$) and the number of different rug designs a rug store has.

- Draw a line of best fit.
- Write an equation for the line of best fit in slope-intercept form.

g) Interpret the slope and y-intercept



h) Based on this relationship, predict what the total sales will be when the store has 110 different rug designs.