NAME   **DATE**

Module 19   Analyzing Data and Statistics
Lesson 4   Finding a Line of Best Fit

additional
practice

For each set of data, make a scatter plot. Then, indicate whether the graph indicates a positive correlation, a negative correlation, or no correlation.

1. Jack played mini-golf each day last summer. The table shows the number of games he played and the number of holes-in-one he shot for eight days.

Games	Holes-in-one	Games	Holes-in-one
3	0	4	1
2	5	3	3
1	5	2	5
3	1	5	2

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2. Linda surveyed her classmates about the number of TV's owned by their families and the number of DVD movies owned.

TV's	DVD's	TV's	DVD's
4	17	2	6
3	12	1	2
2	8	3	10
1	3	2	9
2	8	1	5

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3. Use the scatter plot shown to write the equation of the line of fit passing through points (4, 20) and (8, 90).

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4. Use the line of fit found in Problem 3 to predict the number of drinks that will be sold when the ticket price is $9.50.

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5. Use the scatter plot shown to write the equation of the line of fit. Use the points (2, 80) and (4, 65) to find the equation.

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6. Use the line of fit found in Problem 5 to predict the Chapter Test score for a student who missed six homework assignments.

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Movie Prices vs. Drinks Sold

Missed Homework Assignments vs. Chapter Test Score

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