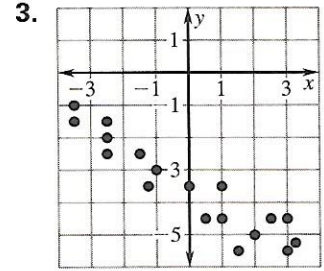
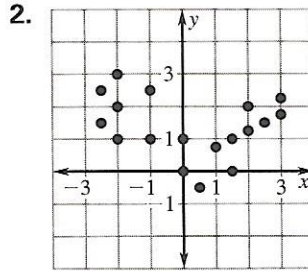
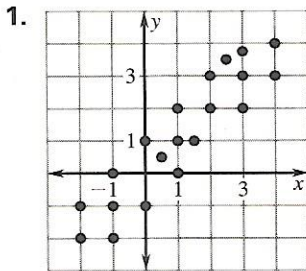


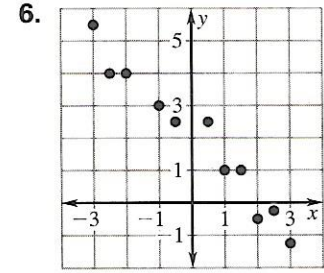
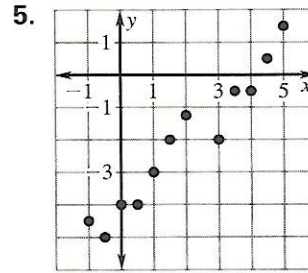
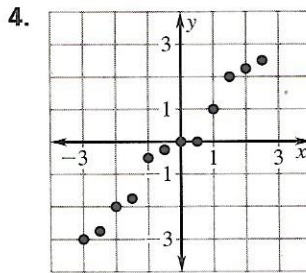
Practice A

For use with pages 292–298

Decide whether x and y suggest a linear relationship.



Copy the graph and draw a best-fitting line for the scatter plot. Write an equation of your line.



Draw a scatter plot of the data. Draw a best-fitting line and write an equation of the line.

7.

x	1	2	3	4	5	6
y	2	5	5	8	11	12

8.

x	1	2	3	4	5	6
y	4	6	6	7	7	9

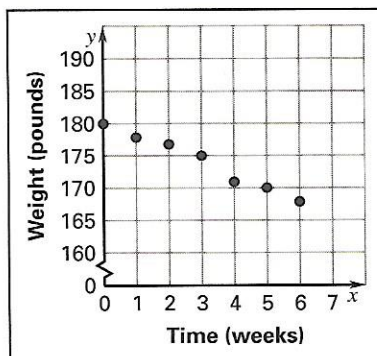
9.

x	0	1.1	1.9	2.5	3.1	4.3
y	0.8	2.2	2.9	3.6	4.0	5.3

10.

x	3.1	3.8	4.5	6.0	6.3	7.1
y	1.0	1.7	2.5	4.1	4.4	5.0

11. **Weight Loss** The scatter plot below shows the weight loss per week of a dieter. In the graph, y represents the person's weight in pounds and x represents the weeks of the diet. Find an equation of the line that you think best fits this data. Then use the equation to find the dieter's approximate weight after 10 weeks.



12. **Milk Consumption** The table below shows the average number of gallons of milk a family drinks per week. Sketch a scatter plot for this data and find an equation, and use it to find the milk consumption in one week of a 7-member family.

<i>Family Size</i>	<i>Number of Gallons of Milk</i>
1	1
2	1.5
3	2.2
4	3.8
5	4.7
6	5