Name _____ Date _____

Practice A
For use with the lesson "Fit a Line to Data"

Tell whether *x* and *y* show a *positive correlation*, a *negative correlation*, or *relatively no correlation*.

1.

2.

3.

4.

5.

6.
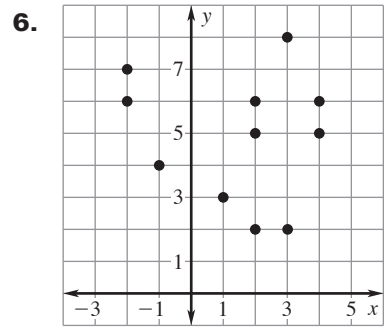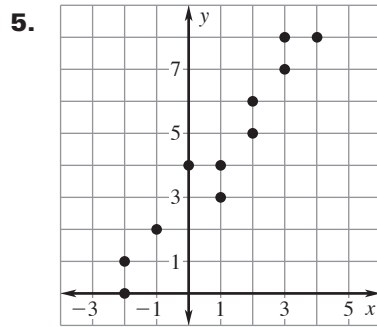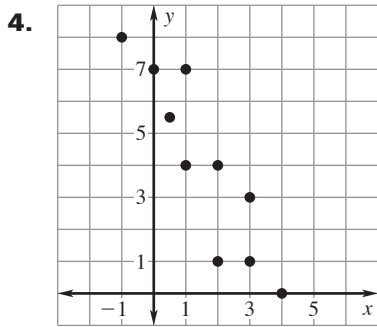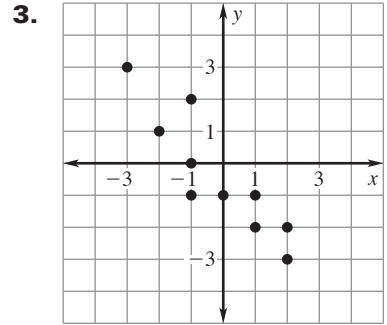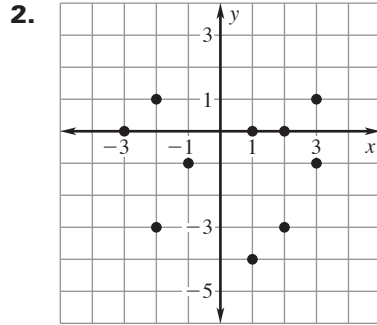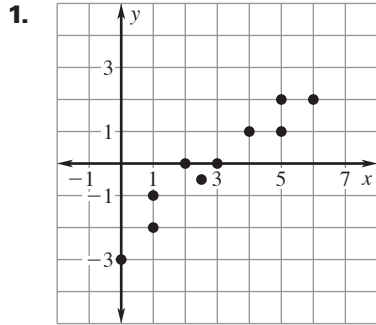
Draw a line of fit for the scatter plot. Write an equation for the line.

7.

8.

9.

10.

11.

12.
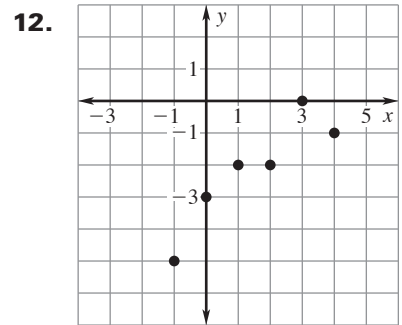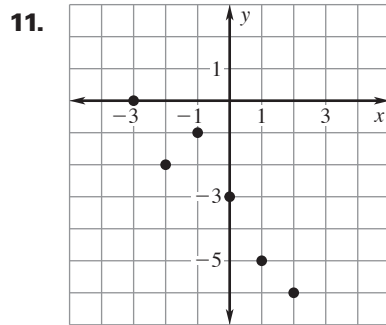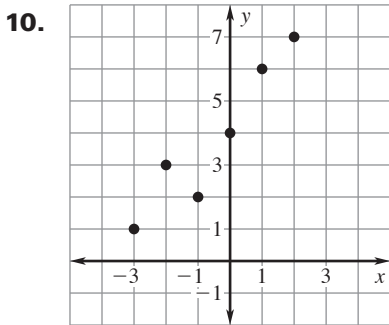
Practice A *continued*
For use with the lesson "Fit a Line to Data"

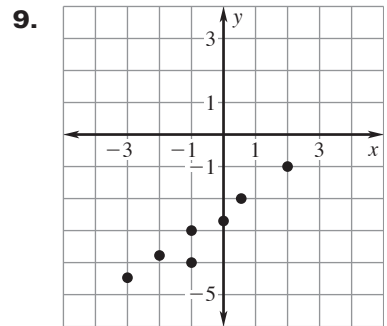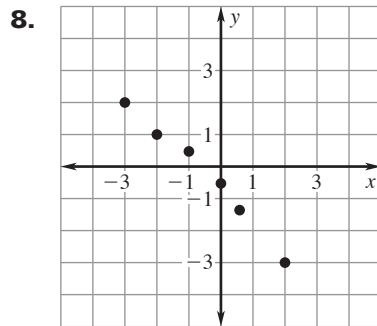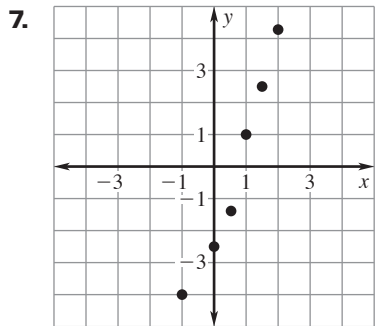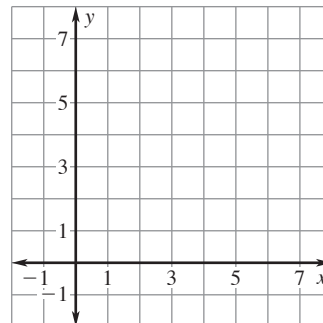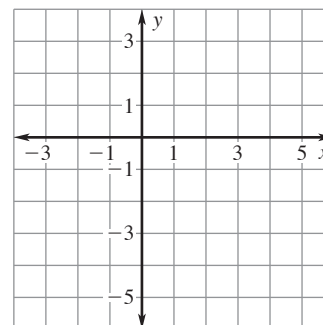**Make a scatter plot of the data. Draw a line of fit. Write an equation for the line.**
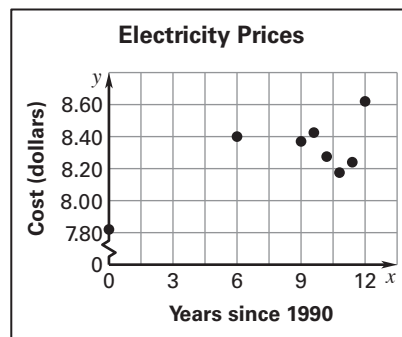
13.

x	0	1	1	2	4	5	6
y	2	3.5	2.5	3.5	4	5	5

14.

| x	−2	−1	2	2	3	4
y	−0.5	−1	−1.2	−1.5	−1.5	−1.8

15. Electricity Prices The scatter plot shows the cost (in dollars) of one kilowatt-hour of electricity for the years 1990 to 2002. *Describe* the correlation of the data.

Electricity Prices

16. Grapefruit The table shows the price (in dollars) for one pound of grapefruit for the years 1997 through 2002.

Years since 1997	0	1	2	3	4	5
Price (dollars)	0.53	0.55	0.58	0.58	0.60	0.62
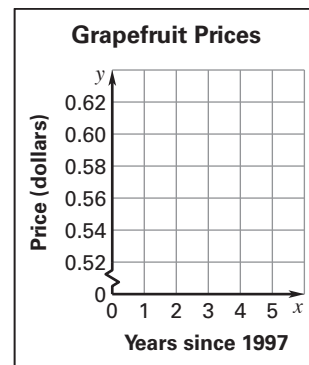
a. Make a scatter plot of the data where *x* represents the years since 1997 and *y* represents the price (in dollars).

b. Draw a line of fit for the data.

c. Write an equation for the line.

Grapefruit Prices