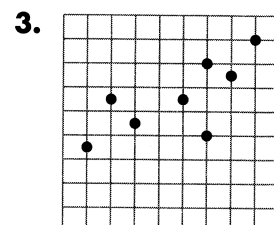
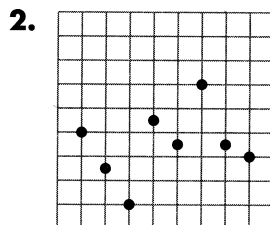
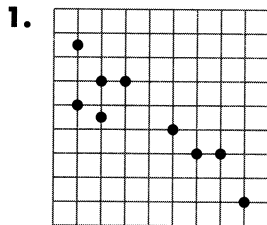


Practice 31

For use with Section 4-5

State whether each scatter plot shows a positive correlation, a negative correlation, or no correlation.



For Exercises 4 and 5, use the table at the right to make each scatter plot.

4. Air conditioner sales versus average temperature
5. Sweater sales versus average temperature
6. State whether each of the scatter plots you made for Exercises 4 and 5 shows a positive correlation, a negative correlation, or no correlation.

Date	Av. Temp. (°F)	Air Cond. Sales	Sweater Sales
March 10	35	3	45
March 20	40	1	42
April 1	52	5	35
April 12	63	10	21
April 30	55	16	12
May 5	76	22	5
May 15	72	26	8
May 25	85	35	2

For Exercises 7–11, use the table at the right, which lists data on laptop computers produced by various companies.

For Exercises 7–9, make a scatter plot of each relationship. State whether each scatter plot shows a positive correlation, a negative correlation, or no correlation.

Manufacturer	Price (\$)	Weight (lb)	Ad Costs (mil. \$)	Sales (units)
Leapfrog	1600	9.3	25	32,000
EZ Compr	2400	5.4	37	45,000
Link Inc.	1750	10.2	32	30,000
Future Pro	2900	6.0	50	47,000
Tec Trek	1300	11.5	20	18,000
Key Byte	2300	8.6	42	38,000
Disk Corp.	3000	5.2	24	19,000
Micro Power	2500	7.5	12	15,000
Star	2800	6.2	35	29,000
Laserkiss	1900	9.2	30	26,000

7. Price versus weight
8. Ad costs versus sales
9. Weight versus sales
10. For each of the scatter plots you drew in Exercises 7–9 that shows a positive or a negative correlation, draw a fitted line.
11. Based on your scatter plot for Exercise 7, predict the weight of a laptop computer that costs \$2600.
12. **Writing** What conclusion can you draw from the scatter plot you drew in Exercise 9?