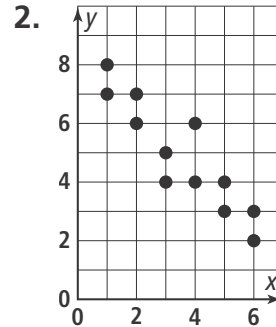# 3-5 Additional Practice
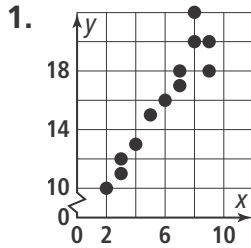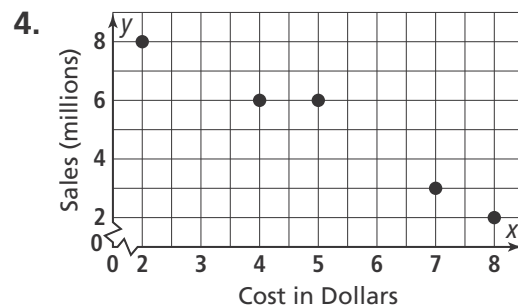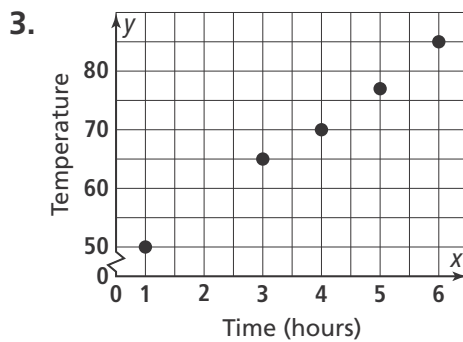
Scatter Plots and Lines of Fit

What is the association between the *x*- and *y*-values for each graph?

1.

2.

Describe the type of correlation each scatter plot shows. Draw a trend line that models each data set and find the equation of that trend line.

3.

4.

5. For the trend line in Item 3, what would the expected temperature be after 2 hours? Explain what this means in the context of the data.

6. For the trend line in Item 4, what would the expected sales be if the cost was set at $6.50? Explain what this means in the context of the data.

7. Would you expect the trend line for the temperature to continue in the same direction indefinitely? Explain.