

## Answers for Lesson 9-7, pp. 446–447 Exercises

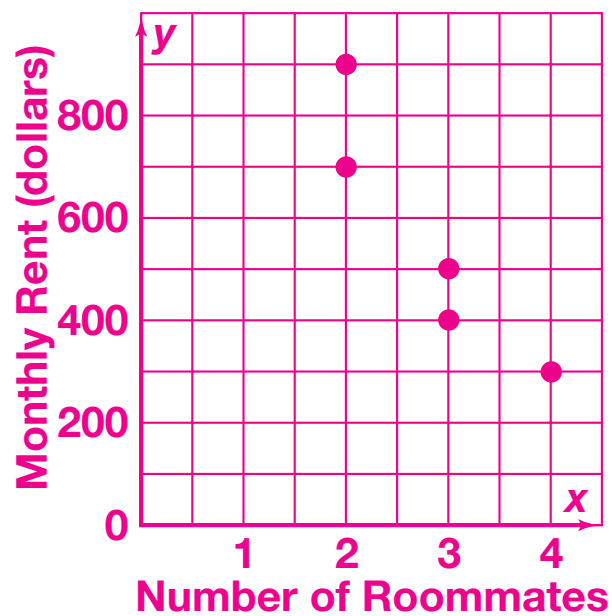
1. scatter plot

2. negative

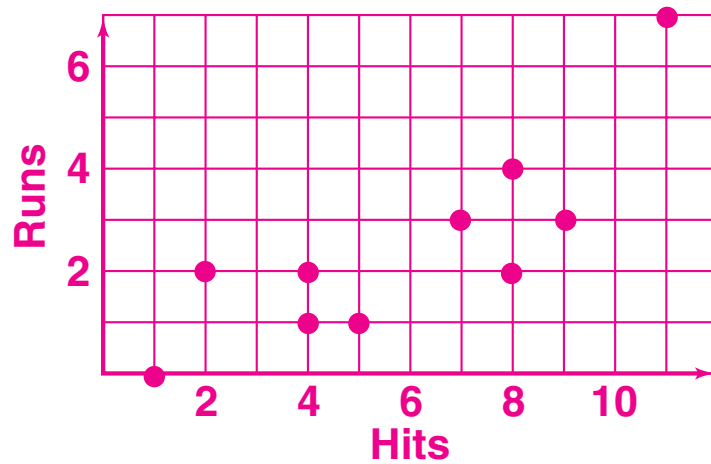
3. no trend

4. positive

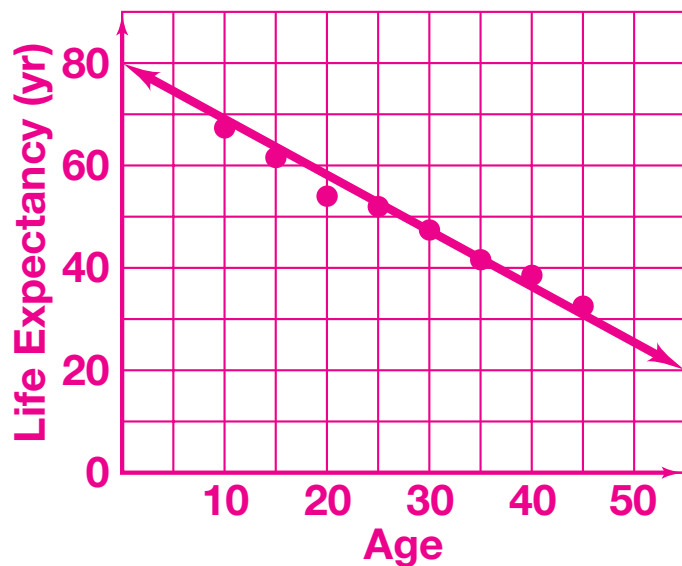
5.



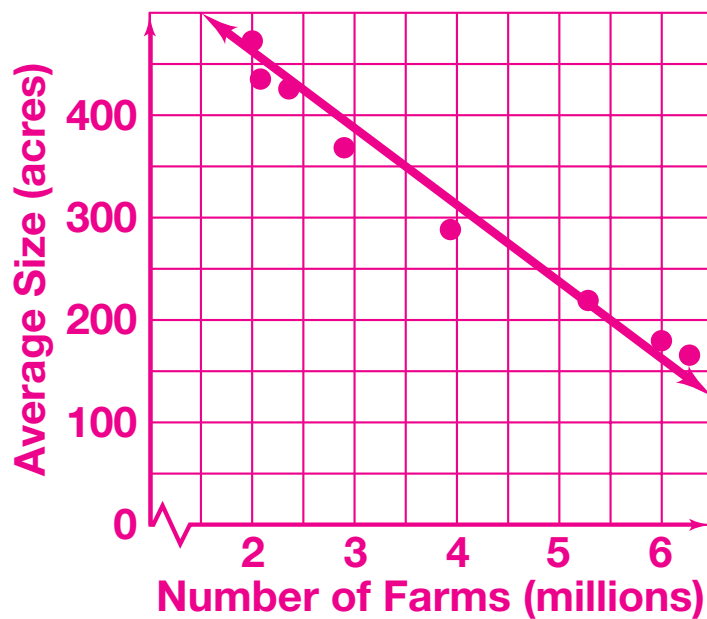
6.



7. negative trend



8. negative trend



9. about 62 billion barrels

10. No trend; people of all ages own varying numbers of pets.

11. Negative trend; as the temperature increases, you wear fewer layers of clothing.

**Answers for Lesson 9-7, pp. 446–447 Exercises (cont.)**

**12.** No; it depends on how close the points are on the line; also, the farther your prediction point is from the last point used to create the trend line, the less accurate your predictions will be.

**13. a–b.**



a. about 140

b. about 800

**14.** No; there is no relationship between these two variables—one did not cause the other.

**15.** 45

**16.** 69

**17.** 8

