

Name _____

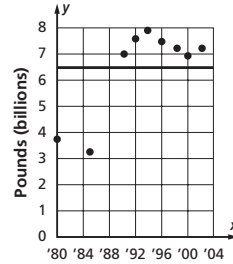
4-2A Lesson Master

Questions on SPUR Objectives

See pages 245–249 for objectives.

USES Objective I

1. The graph at the right gives the amount of domestic catch for human food in U.S. fisheries in years from 1980 to 2003 in billions of pounds, according to the U.S. National Oceanic and Atmosphere Administration. The horizontal line shows the mean catch, which was approximately 6.48 billion pounds.



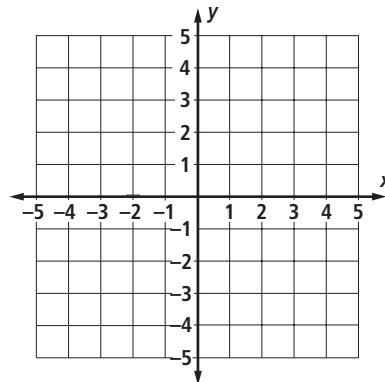
- a. Which year had the least absolute deviation from the mean? _____
 - b. What does this mean regarding the amount caught in relation to the mean?

 - c. Which year had the greatest absolute deviation from the mean? _____
 - d. If we considered these data again, but without the years 1980 and 1985 included, would the mean catch be bigger or smaller? _____
2. The mean speed of Jeremy’s fastball is 76.2 miles per hour. In a championship game, he threw a strike at 84.6 miles per hour. What was that pitch speed’s deviation from the mean? _____

REPRESENTATIONS Objective K

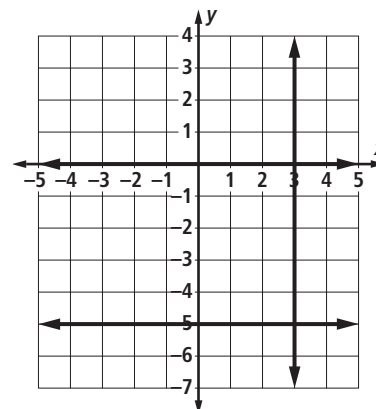
In 3–6, graph the equation on the axes and label it.

3. $x = 4$
4. $y = -3$
5. $x = -2$
6. $y = 1.5$



7. Give an equation for each of the lines graphed at the right.

- a. _____
- b. _____
- c. _____



8. Write an equation for the line that contains the points (9, 27) and (-9, 27).
