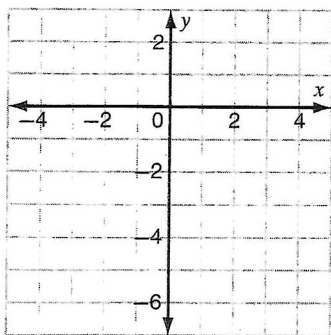
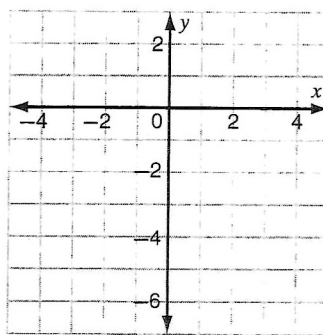


Graph each function.

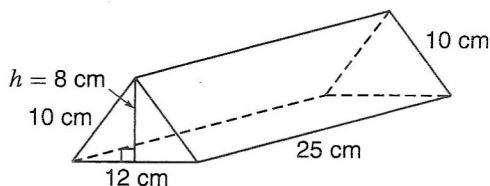
39.  $f(x) = 2x - 5$



40.  $g(x) = \frac{1}{4}x^2 - 1$



Use the figure at the right for exercises 41–43.



41. Name the polyhedron.

\_\_\_\_\_

42. Find the surface area of the figure.

\_\_\_\_\_

43. Find the volume of the figure.

\_\_\_\_\_

On a sheet of paper, make a stem-and-leaf plot to represent the data below. Use it for exercises 45–47.

44. July high temperatures in New York:

75°, 78°, 83°, 86°, 93°, 93°, 96°, 85°, 86°,  
92°, 93°, 98°, 89°, 86°, and 79°

45. What is the mean?  
Round to the nearest tenth.

\_\_\_\_\_

46. What is(are) the mode(s)?

\_\_\_\_\_

47. What is the median?

\_\_\_\_\_

A 1–6 number cube is rolled. Express each probability as a percent.

48.  $P(8)$

\_\_\_\_\_

49.  $P(1, 2, \text{ or } 3)$

\_\_\_\_\_

50. The cube is rolled twice.  
 $P(4 \text{ and then odd})$

\_\_\_\_\_

Write the converse of each statement.

51. If it is Thanksgiving, school is closed.

\_\_\_\_\_

52. If I am offered the job, I will take it.

\_\_\_\_\_