

4 What does the graph of $y = -(x - 2)^2 + 6$ look like if x is less than 5 and greater than 0.

5 A theater has 25 seats in the first row, 27 in the second row, 29 in the third row, and so on.

a. How many seats are in the 50th row?

b. How many seats are in the entire theater?

c. If the theater makes \$15 per seat, how much money should they expect to make at a sold-out show?

6

Samantha is estimating the width of a lake. She stands at Point B and looks through a long-range scope. She sees a boat shed at Point A that is about 9 miles away and a tall tree at Point C that is about 7 miles away. Which of the following is closest to the distance, in miles, across the lake from Point A to Point C?