Name

9-1

Reteach LESSON

Multiple Representations of Functions

You can use a representation of a function to create a different representation of the same function.

The table shows the cost of renting mountain bikes for 5 days at Outdoor Biker from 1990 through 2005. 100

Use the table to create a graph and an equation.



y = 2.4x - 4739 = 2.4(2007) - 4739 = \$77.80

The table shows the cost of renting ocean kayaks for a week at Ocean Adventures. Use the table to solve.

1. Use the data to create a graph.

Year	Cost (\$)
1992	28
1996	42
2000	56
2004	70

Write a linear equation.

Predict the cost of renting a kayak in 2006.

200 ,002

199⁶

Year

Date

90

100

90

80

,99⁰

2992 2994 2990



The rocket has a maximum height of about 54.7 m at about 2.2s.

The table shows the height of a rocket after it is fired. Solve.

- 4. Are the first differences constant? ______
- 5. Are the second differences constant?
- 6. Find an equation to model the data.

7. When does the rocket reach its maximum height?

Time (s)	Height (m)
0	45
1	58.1
2	61.4
3	54.9
4	38.6
5	12.5



