

# Practice

## Modeling Real-World Data with Linear Functions

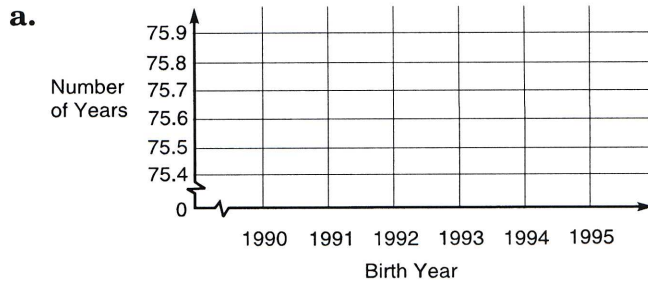
Complete the following for each set of data.

- Graph the data on a scatter plot.
- Use two ordered pairs to write the equation of a best-fit line.
- If the equation of the regression line shows a moderate or strong relationship, predict the missing value. Explain whether you think the prediction is reliable.

1. **U. S. Life Expectancy**

Birth Year	Number of Years
1990	75.4
1991	75.5
1992	75.8
1993	75.5
1994	75.7
1995	75.8
2015	?

Source: National Center for Health Statistics



2. **Population Growth**

Year	Population (millions)
1991	252.1
1992	255.0
1993	257.7
1994	260.3
1995	262.8
1996	265.2
1997	267.7
1998	270.3
1999	272.9
2010	?

Source: U.S. Census Bureau

