

Chapter P

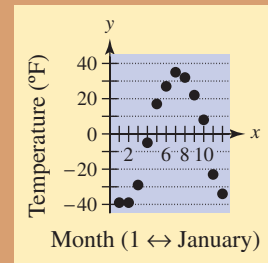
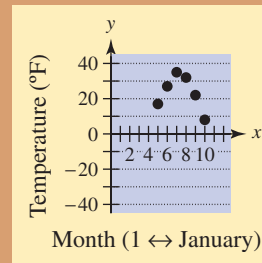
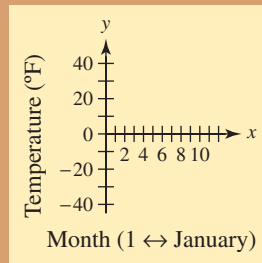
Prerequisites

- P.1 Real Numbers
- P.2 Exponents and Radicals
- P.3 Polynomials and Factoring
- P.4 Rational Expressions
- P.5 The Cartesian Plane
- P.6 Representing Data Graphically

Selected Applications

Prealgebra concepts have many real-life applications. The applications listed below represent a small sample of the applications in this chapter.

- Budget Variance, Exercises 79–82, page 10
- Erosion, Exercise 115, page 23
- Stopping Distance, Exercise 157, page 34
- Resistance, Exercise 95, page 46
- Meteorology, Exercise 22, page 56
- Sports, Exercise 88, page 58
- Agriculture, Exercise 5, page 64
- Cellular Phones, Exercises 21 and 22, page 67



Algebra can be used to model real-life situations. Representing real-life situations as expressions, equations, or inequalities or in a graph increases our understanding of the world around us. In Chapter P, you will review the concepts that form the foundation for algebra: real numbers, exponents, radicals, polynomials, and graphical representation of data sets.

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Meteorology is the study of weather and weather forecasting. It involves collecting and analyzing climatic data for geographical regions. Mathematics plays a crucial role in the study of meteorology. Mathematical equations are used to model meteorological concepts such as temperature, wind chill, and precipitation.