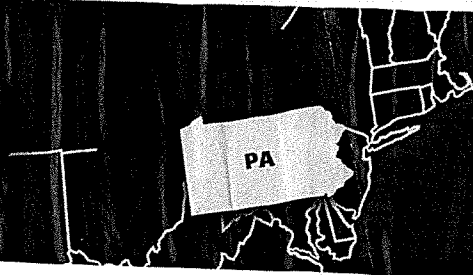


PENNSYLVANIA



Overview

Pennsylvania Student Edition

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Pennsylvania Chapter Support

Throughout

 Daily practice in every lesson

 Weekly practice in the mid-chapter mixed review

 Summative practice in the end-of-chapter assessment

Additional Standards-Based Lessons

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Pennsylvania Mathematics Assessment Anchor Content Standards

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CHAPTER

1

Unit 1
Linear Equations,
Inequalities, Functions,
and Systems

Pennsylvania



Work Rates, p. 20

$$\frac{1}{8}t + \frac{1}{6}t = 7$$

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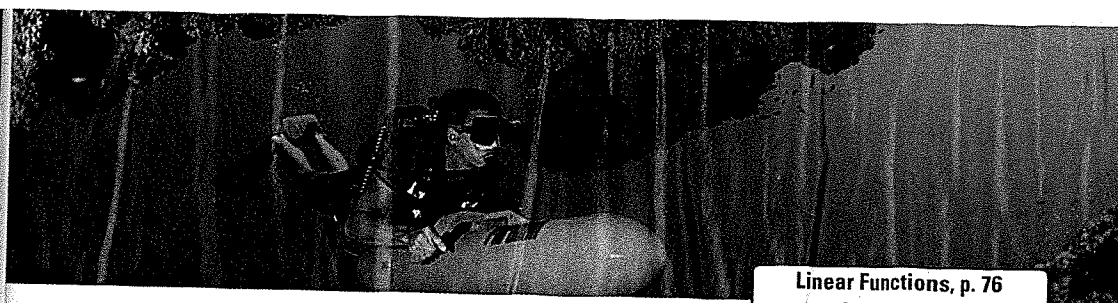
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2

Unit 1

Linear Equations,
Inequalities, Functions,
and Systems

Pennsylvania



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 $P(d) = 1 + 0.03d$

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CHAPTER

3

Unit 1

Linear Equations,
Inequalities, Functions,
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Pennsylvania



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Pennsylvania

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$$f(z) = z^2 + c$$

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$$v_t = 33.7 \sqrt{\frac{W}{A}}$$

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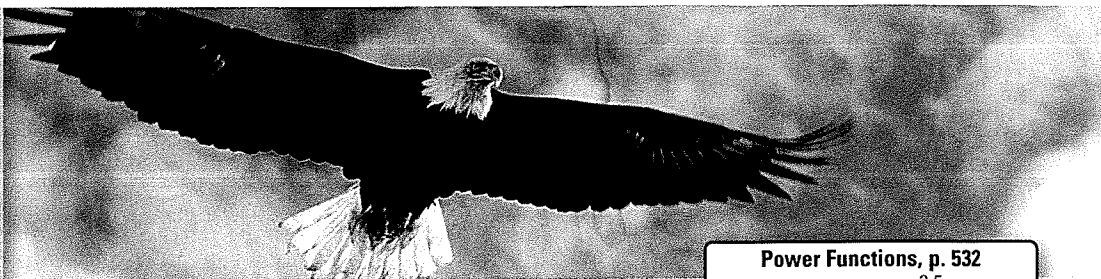
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Unit 3

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Pennsylvania



Power Functions, p. 532
 $y = 0.0784x^{2.5}$

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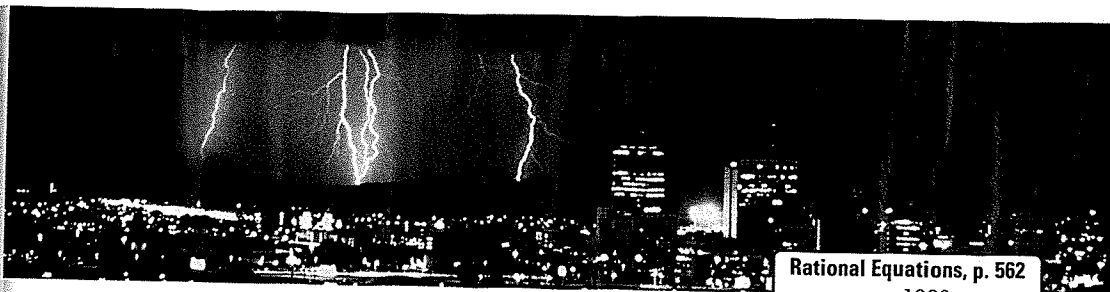
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Other Nonlinear
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Pennsylvania



Rational Equations, p. 562

$$t = \frac{1000}{0.6T + 331}$$

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 $21y^2 - 210y - 4x^2 = -441$

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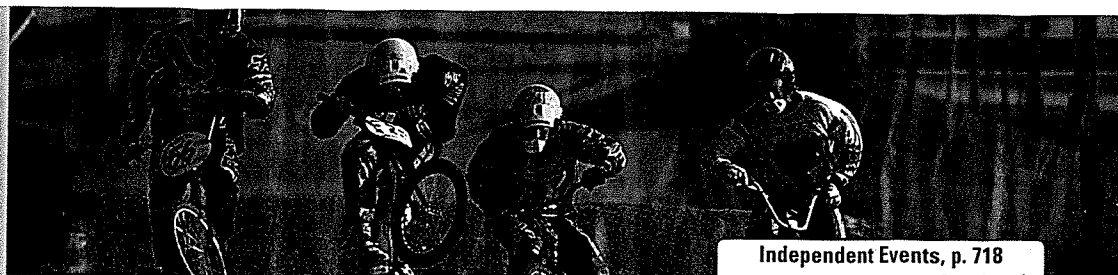
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Unit 4

Probability,
Data Analysis,
and Discrete Math

Pennsylvania



Independent Events, p. 718

$$P(A \text{ and } B \text{ and } C) = \frac{1}{8} \cdot \frac{1}{8} \cdot \frac{1}{8}$$

Counting Methods and Probability

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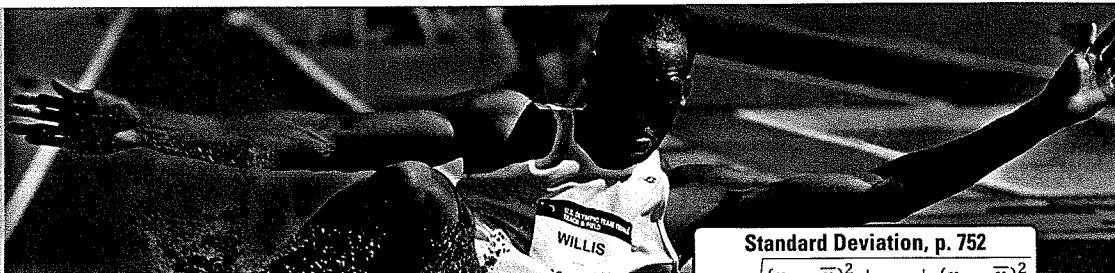
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11

Unit 4

Probability,
Data Analysis,
and Discrete Math

Pennsylvania



Standard Deviation, p. 752

$$\sigma = \sqrt{\frac{(x_1 - \bar{x})^2 + \cdots + (x_n - \bar{x})^2}{n}}$$

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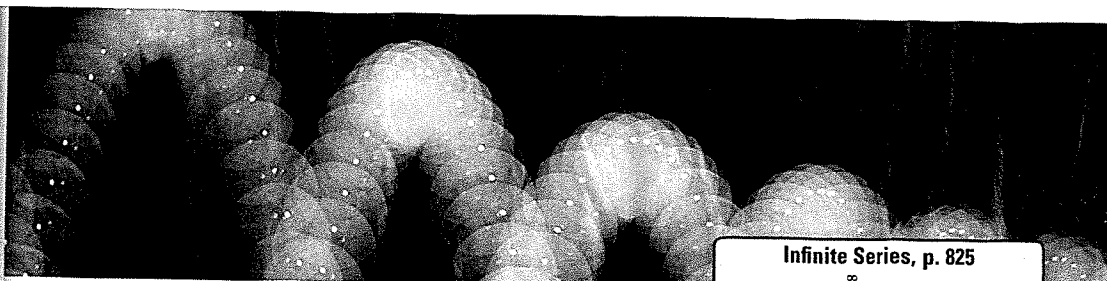
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CHAPTER 12

Unit 4

Probability,
Data Analysis,
and Discrete Math

Pennsylvania



Infinite Series, p. 825

$$8 + \sum_{n=1}^{\infty} 16(0.75)^n$$

Sequences and Series

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CHAPTER 13

Unit 5
Trigonometry

Pennsylvania



Law of Cosines, p. 893

$$a^2 = b^2 + c^2 - 2bc \cos A$$

Trigonometric Ratios and Functions

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CHAPTER

14

Unit 5
Trigonometry

Pennsylvania

Difference Formulas, p. 954

$$\tan(a - b) = \frac{\tan a - \tan b}{1 + \tan a \tan b}$$

Trigonometric Graphs, Identities, and Equations

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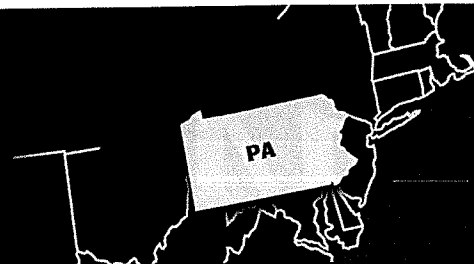
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