

2nd Year Level III Review

- Lesson 1 Working with Powers of 10 and Metric Prefixes (4 questions)
 - Read Reference: Working with Prefixes and Powers of 10
 - Introduction thru Multiplication Using Powers of 10
- Lesson 2 The Customary and Metric Systems of Measurement (3 questions)
 - Building a Foundation in Mathematics textbook
 - Pages 179-186
- Lesson 3 The Circle (3 questions)
 - Read Reference: The Circle
 - All
 - Building a Foundation in Mathematics textbook
 - Pages 391-395
- Lesson 4 Area and Volume (4 questions)
 - Read and know information sheets associated with 2-3-4
 - Area
 - Volume
- Lesson 5 Measuring and Drawing Angles (3 questions)
 - Building a Foundation in Mathematics textbook
 - Pages 362-366
- Lesson 6 Right Triangles (3 questions)
 - Read Reference: Right Triangles
 - All
 - Building a Foundation in Mathematics textbook
 - Pages 373, 428
- Lesson 7 Blueprint Line (5 questions)
 - Read Reference: Blueprint Lines
 - Line Types
- Lesson 8 Introduction to Blueprints and Specifications (4 questions)
 - Read Reference: Introduction to Blueprints and Specifications
 - Purpose of blueprints
 - Use of blueprints
 - Types of drawings used in electrical construction
 - Erection of Towers
 - Poles, Roofing, and Gaining
- Lesson 9 Blueprint Fundamentals (3 questions)
 - Read Reference: Blueprint Fundamentals
 - Material Lists
 - Approved Prints
 - Scales

**SOUTHWESTERN
LINE CONSTRUCTORS**

A. J. A. T. C.

2nd Year Level III Review

- Lesson 10 Symbols, Conventions and Abbreviations (3 questions)
 - Read Reference: Symbols, Conventions, and Abbreviations
 - Architectural Symbols
 - Structural Symbols
 - Mechanical Symbols
 - One-line
- Lesson 11 Electrical Drawings and Diagrams (3 questions)
 - Read Reference: Electrical Drawings and Diagrams
 - One-Line and Complete Electrical Diagrams
 - Manufacturer's Drawings
 - Schematic and Schematic Connection Diagrams
 - Connection Diagrams
- Lesson 12 Civil Drawings (3 questions)
 - Read Reference: Civil Drawings
 - Abbreviations and Legend
- Lesson 13 Reading Maps, Plans, and Profiles (3 questions)
 - Read Reference: Reading Maps, Plans, and Profiles
 - Survey Lines and Points
 - Limits of an Area
 - Units of Measurement
 - Elevation
- Lesson 14 Staking Sheets and Stakes (3 questions)
 - Read Reference: Staking Sheets and Stakes
 - Staking Sheets
 - Typical Abbreviations Used on Staking Sheets and Stakes
 - Typical Transmission Line
 - Conclusion
- Lesson 15 Introduction to Measuring and Leveling Devices (3 questions)
 - Read Reference: Introduction to Measuring and Leveling Devices
 - Introduction
 - Transits
 - Stationing
 - Stakes and Hubs

**SOUTHWESTERN
LINE CONSTRUCTORS**

A. J. A. T. C.