

# Book 1-4 Review

- 1-4-1 Solving Basic Algebraic Equations (4 Questions)
  - Read and understand information sheet associated with 1-4-1
  - Read Building a Foundation in Mathematics - Chapter 9
    - Read all the properties
    - Simplifying Algebraic Expressions
- 1-4-2 Ohm's Law (3 Questions)
  - Read DC Theory - Chapter 1
    - Ohm's Law of Proportionality
- 1-4-3 Solving Power Calculations (3 Questions)
  - Read and understand information sheet associated with 1-4-3
  - Read DC Theory - Chapter 1
    - Electrical Power
- 1-4-4 Use and Operation of Blocks (3 Questions)
  - Read the Line Worker's Rigging Handbook - Chapter 1
    - Definitions
  - Read the Line Worker's Rigging Handbook - Chapter 7
    - Calculating friction in rope blocks
  - Read The Guidebook for Linemen & Cablemen - Chapter 17
    - Lifting a Load
- 1-4-5 Slings and Chokers (3 Questions)
  - Read and understand information sheet associated with 1-4-5
  - Read the Line Worker's Rigging Handbook - Chapter 1
    - Definitions
  - Read the Line Worker's Rigging Handbook - Chapter 11
    - Effect of a leg Angle on a Sling's Lifting Capacity
  - Read The Guidebook for Linemen & Cablemen - Chapter 17
    - Connecting to a load with a sling
- 1-4-6 Rigging Tools and Rigging Equipment Hardware (3 Questions)
  - Read The Line Worker's Rigging Handbook - Chapter 9
    - Shackles
    - Eye Bolts & Shackles
    - Spreader and Equalizer Beams
- 1-4-7 Guy Types, Guy Strength and Sizes (3 Questions)
  - Read and understand information sheet associated with 1-4-7
  - Read The Line Worker's Rigging Handbook - Chapter 2
    - Summary of common rigging formulas
  - Read The Guidebook for Linemen & Cablemen - Chapter 8
    - Guying A Pole

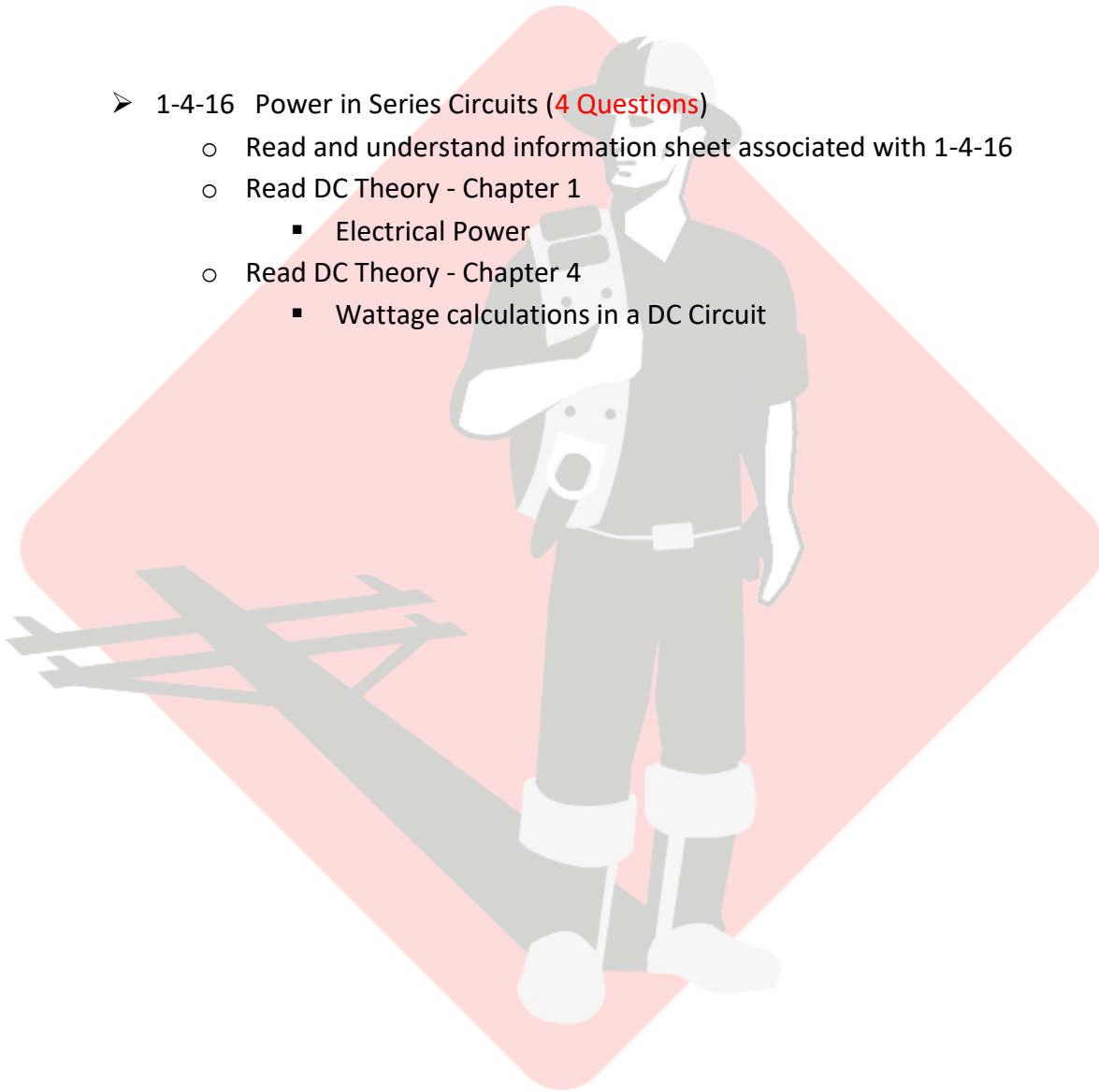
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- 1-4-8 Guy Installation (2 Questions)
  - Read and understand information sheet associated with 1-4-8
  - Read The Line Worker's Rigging Handbook - Chapter 2
    - Summary of common rigging formulas
  - Read The Guidebook for Linemen & Cablemen - Chapter 8
    - Guying A Pole
- 1-4-9 Anchors (2 Questions)
  - Read and understand information sheet associated with 1-4-9
  - Read The Guidebook for Linemen & Cablemen - Chapter 8
    - Guying A Pole
- 1-4-10 Line Conductors (3 Questions)
  - Read The Guidebook for Linemen & Cablemen - Chapter 10
    - Read pages 331-336
- 1-4-11 Crossarms and Attachments (2 Questions)
  - Read and understand information sheet associated with 1-4-11
- 1-4-12 Insulators (4 Questions)
  - Read and understand information sheet associated with 1-4-12
  - The Guidebook for Linemen & Cablemen - Chapter 8
    - Installing crossarms
    - Installing insulators
- 1-4-13 Resistance in Series Circuits (3 Questions)
  - Read and understand information sheet associated with 1-4-13
    - Read DC Theory - Chapter 4
      - Pg 95-96
- 1-4-14 Current in Series Circuits (4 Questions)
  - Read and understand information sheet associated with 1-4-14
    - Read DC Theory - Chapter 4
      - Pg 95-96
- 1-4-15 Voltage in Series Circuits (4 Questions)
  - Read and understand information sheet associated with 1-4-15
  - Read DC Theory - Chapter 4
    - Pg 95-96
  - Read DC Theory - Chapter 1
    - Ohm's Law of Proportionality
  - Read DC Theory Chapter 2
    - Pg 48 - field note

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- 1-4-16 Power in Series Circuits (4 Questions)
  - Read and understand information sheet associated with 1-4-16
  - Read DC Theory - Chapter 1
    - Electrical Power
  - Read DC Theory - Chapter 4
    - Wattage calculations in a DC Circuit



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