

REVIEW

Note: Refer to the *Canadian Electrical Code, Part I* or the plans where necessary.

1. What is the purpose of specifications? _____

2. In what additional way are the specifications particularly useful to the electrical contractor? _____

3. What is done to prevent a plan from becoming confusing because of too much detail?

4. Name three requirements contained in the specifications regarding material.
 - a. _____
 - b. _____
 - c. _____
5. What are the two main hazards that the *C.E.C., Part I* is designed to prevent?
 - a. _____
 - b. _____
6. What phrase is used when a substitution is permitted for a specific item in a specification?

7. What is the purpose of an electrical symbol? _____

8. What is a notation? _____

9. Where are notations found? _____
10. List at least 12 electrical notations found on the plans for this residence. Refer to the plans at the back of the text. _____

11. What three parties must be satisfied with the completed electrical installation?
a. _____ b. _____ c. _____
12. What code sets standards for electrical installation work? _____

13. What authority enforces the standards set by the *C.E.C., Part I*? _____

14. Does the *C.E.C., Part I* provide minimum or maximum standards?

15. What do the letters CSA signify? _____

16. What section of the *C.E.C., Part I* states that all electrical equipment shall be approved?

17. When the words "shall be" appear in a code reference, they mean that it (must) (may) (does not have to) be done. (Underline the correct answer.)
18. What is the purpose of the *C.E.C., Part I*? _____

19. Does compliance with the *C.E.C., Part I* always result in an electrical installation that is adequate, safe, and efficient? Why?

20. Name two nationally recognized testing laboratories. _____

21. Does the Canadian Standards Association approve products? What does the CSA do?

OBJECTIVES

- identify and explain the electrical safety symbols used in the field
- identify the symbols used in the field
- explain the methods of securing the electrical symbols in the field
- understand the symbols used in the field

ELECTRICAL SYMBOLS

Electrical symbols are used to identify electrical components and systems. They are used in electrical drawings, such as wiring diagrams, to show the location and type of electrical components. The symbols are standardized and are used throughout the industry. The symbols are used to identify electrical components and systems. They are used in electrical drawings, such as wiring diagrams, to show the location and type of electrical components. The symbols are standardized and are used throughout the industry.



FIG. 1-1 Use of electrical symbols and circuit symbols.