

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Social Security Number: \_\_\_\_\_

1. The new designation for one thousand circular mils is \_\_\_\_\_.
2. \_\_\_\_\_ is the current in amperes a conductor can carry continuously under the conditions of use without exceeding its temperature rating.
3. True or False? **NEC Table 310.16** covers conductors rated up to 2,000 volts where not more than three conductors are installed in a raceway or cable.
4. Direct burial conductors should be \_\_\_\_\_ without crossovers.
5. Which of the following represents the largest wire size?
  - a. 50
  - b. 10
  - c. 5
  - d. 4/0
6. A(n) \_\_\_\_\_ is a circle which has a diameter of 1 mil.
7. True or False? All current-carrying conductors (including the grounded conductor) must be insulated when used on the inside of buildings.
8. True or False? Polyethylene is the base material used for the manufacture of TW and THW insulation.
9. Polyethylene is used primarily for \_\_\_\_\_.
  - a. high-voltage conductors
  - b. insulation of control and communications wiring
  - c. THHN wiring
  - d. XHHW wiring
10. What does the letter *R* stand for with regard to insulation coding? \_\_\_\_\_
11. Which of the following is *not* a category of heating cables?
  - a. Pipeline and vessel heating cables
  - b. Interior space-heating cables
  - c. Conduit line heating cables
  - d. De-icing and snow-melting cables

12. Type UF cable \_\_\_\_\_.  
a. is commonly called *Romex*<sup>®</sup>  
b. is suitable for direct burial  
c. is commonly referred to as *BX*<sup>®</sup>  
d. consists of five conductors
13. Type MV cable is suitable for \_\_\_\_\_.  
a. use in wet locations  
b. use in dry locations  
c. direct burial  
d. All of the above.
14. Some jackets have a(n) \_\_\_\_\_ that allows the jacket to be peeled back without the use of a knife or cable cutter.
15. A(n) \_\_\_\_\_ is a piston-like plug that is attached to a string or rope for pulling through conduit using a power fishing system.