






Gray Electric

1. List standard wire colors for 120/208 volt 3 phase 4 wire:
A. _____ B. _____ C. _____ N. _____
2. List standard wire colors for 277/480 volt 3 phase 4 wire:
A. _____ B. _____ C. _____ N. _____
3. What color are the following circuit numbers for a 120/208 volt 3 phase system:
#30 _____ #16 _____ #7 _____ #9 _____
4. What size THHN cu wire is required for 20 amp? _____
What size THHN cu wire is required for 200 amp? _____
What size THHN cu wire is required for 225 amp? _____
What size THHN cu wire is required for 400 amp? _____
5. What is standard A.I.C. rating for 277/480 volt 3 phase 4 wire PG&E service? _____
6. What is the minimum clearance required in front of a 120/208 volt panel? _____
7. What section of N.E.C. covers grounding? _____
8. When is GFI protection required on the main service switch?

9. What is the formula for OHM's law? _____
10. When bending a 90degree - 1/2" EMT radius, what is the standard deduction when using the arrow?

11. When bending a 90 degree - 1/4 EMT radius, what is the standard deduction when using the arrow?

12. What is the maximum degree bends allowed between junction boxes? _____
13. How many amps does a 120 watt incandescent light draw at 120 volts? _____
14. How many #12 THHN wires can be installed in 1/2" EMT per NEC? _____
15. In a standard three phase starter, the stop button is in the normally open or normally closed position?

16. Identify the following drawing symbols:
 _____
 _____
 _____
 _____
 _____
17. Position you are applying for: _____