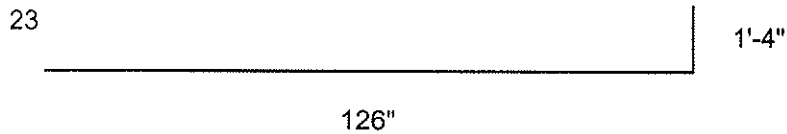


## FITTER/WELDER QUESTIONS

- 1 STANDARD WALL STEEL PIPE IS COMMONLY REFERRED TO AS \_\_\_\_\_ PIPE.
- 2 THE CENTER TO END DIMENSION OF A STANDARD LONG RADIUS 10" WELD 90 ELL IS \_\_\_\_\_
- 3 HOW MUCH DOES ONE GALLON OF WATER WEIGH? \_\_\_\_\_
- 4 THE CONSTANT MULTIPLIER TO CALCULATE A 45 DEGREE OFFSET IS \_\_\_\_\_.
- 5 SOFT SOLDER DOMESTIC WATER COPPER JOINTS ARE SOLDERED WITH \_\_\_\_\_ SOLDER.
- 6 TWO LINES RUNNING PARALLEL 10 FT. APART MUST BE CONNECTED WITH 45 ELLS. WHAT IS THE CENTER TO CENTER LENGTH OF THE TRAVEL PIECE? \_\_\_\_\_
- 7 WHEN CONNECTING GROOVED PIPE COUPLINGS; \_\_\_\_\_ IS USED TO PREVENT PINCHING OF THE GASKET.
- 8 NPT IS AN ABBREVIATION FOR \_\_\_\_\_.
- 9 YOU WORK FOUR DAYS AT 9.5 HOURS PER DAY AND ONE DAY AT 6 HOURS. WHAT IS TOTAL TIME?
- 10 IF YOU MAKE \$20.00 PER HOUR STRAIGHT TIME AND \$30.00 PER HOUR OVERTIME, WHAT IS YOUR GROSS PAY IN QUESTION 9? \_\_\_\_\_
- 11 ADD THE FOLLOWING NUMBERS:  
    8-3/4"  
    6-5/8"  
    1'-0-5/16"  
    24-1/16"
- 12 A 8" SCH. 40 STEEL PIPE WEIGHS 28.6# PER FOOT. HOW MUCH DOES A 12 FT. PIECE WEIGH? \_\_\_\_\_
- 13 RULE OF THUMB CENTER TO CENTER FOR STEEL PIPE HANGERS IS \_\_\_\_\_ FT. UNLESS SPECIFIED OTHERWISE.
- 14 TO METHODS OF LAYING OUT HANGER LOCATIONS REQUIRED AT A CEILING IN ADVANCE OF RUNNING THE PIPE IF YOU HAVE A FLOOR SLAB TO WORK FROM WOULD BE \_\_\_\_\_ AND \_\_\_\_\_.
- 15 TYPICAL SCH. 40 CARBON STEEL PIPE WELD JOINTS HAVE \_\_\_\_\_ PASSES; THE INITIAL OR \_\_\_\_\_ PASS, A \_\_\_\_\_ PASS, AND A \_\_\_\_\_ PASS.
- 16 THE TYPE OF WELD ROD USED ON THE JOINT IN 15 ABOVE WOULD BE \_\_\_\_\_ FOR FIRST PASS AND \_\_\_\_\_ FOR ADDITIONAL PASSES.
- 17 TYPICAL SETTINGS FOR OXYGEN AND ACETYLENE REGULATOR PRESSURES ON A TORCH SET ARE \_\_\_\_\_ FOR OXYGEN AND \_\_\_\_\_ FOR ACETYLENE.
- 18 IF YOU HAVE A BUILDING ELEVATION OF 100' AT FIRST FLOOR AND 123.67' AT 2ND FLOOR WHAT IS THE FLOOR TO FLOOR DIMENSION IN FEET AND INCHES? \_\_\_\_\_
- 19 TYPICALLY WHEN WELDING CARBON STEEL PIPE \_\_\_\_\_ POLARITY IS USED WHEN USING 5P 6010 ROD.
- 20 WHEN SHOULD HARD HAT AND SAFETY GLASSES BE USED ON A CONSTRUCTION SITE?

21 WHAT TOOLS ARE ESSENTIAL TO DO EVEN BASIC LAYOUT WORK?

22 IF YOU HAVE A PLAN AT 1/4" SCALE; WHAT IS THE DISTANCE OF 4" ? \_\_\_\_\_



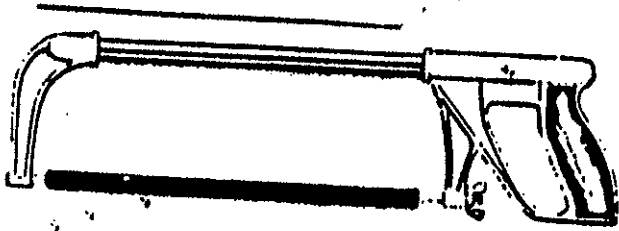
YOU ARE GIVEN THE ABOVE DRAWING TO FAB FROM 4" PIPE; WHAT ARE THE END-TO-END CUT LENGTHS OF THE PIPE PIECES USING STANDARD LONG RADIUS WELD 90 ELL

24 THE PLAN SYMBOLS INDICATE G.V. , BFV, AND B.V. FOR VALVES; THESE ABBREVIATIONS STAND FOR \_\_\_\_\_, \_\_\_\_\_, AND \_\_\_\_\_

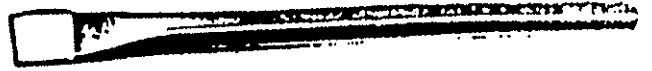
25 WHEN PICKING UP AND LIFTING MATERIALS LOCATED ON THE FLOOR TO CARRY TO ANOTHER LOCATION YOU SHOULD \_\_\_\_\_ YOUR \_\_\_\_\_ AND NOT YOUR BACK.

PLEASE PROVIDE FULL MANUFACTURER'S  
DESCRIPTION OF ITEM  
(AS IF YOU WOULD PROVIDE WHEN ORDERING)

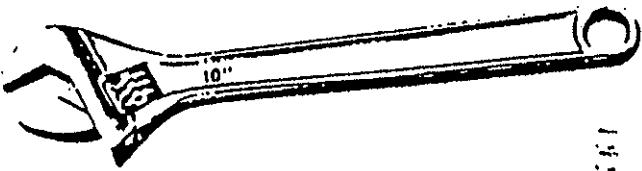
TOOL AND FITTING  
IDENTIFICATION



1. \_\_\_\_\_



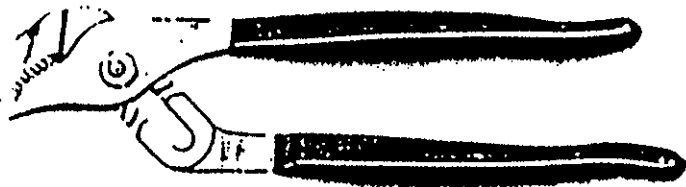
2. \_\_\_\_\_



3. \_\_\_\_\_



4. \_\_\_\_\_



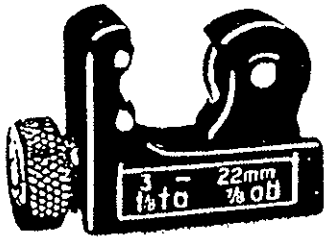
5. \_\_\_\_\_



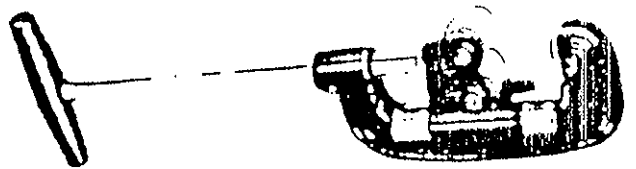
6. \_\_\_\_\_



7. \_\_\_\_\_



8. \_\_\_\_\_

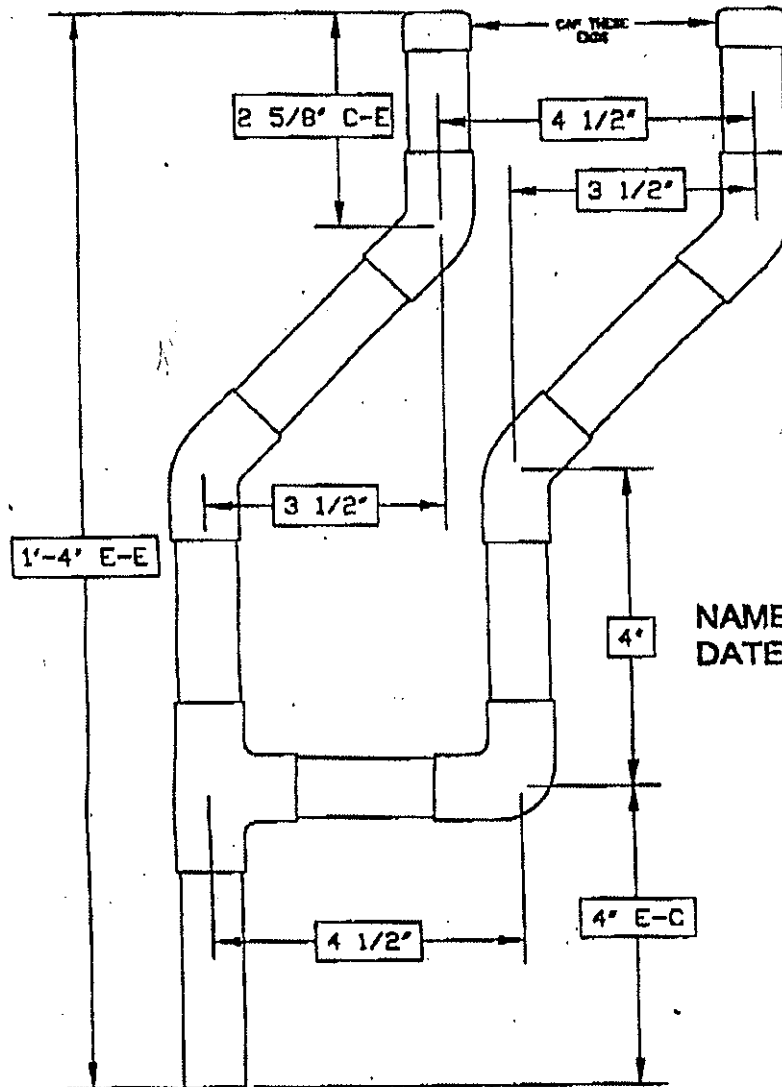


9. \_\_\_\_\_



10. \_\_\_\_\_

# COPPER FABRICATION TEST



NAME: \_\_\_\_\_  
DATE: \_\_\_\_\_

**NOTE:**  
**DRAWING NOT TO SCALE**

ALL JOINTS TO BE SOLDERED WITH 95-5 SOLDER. COMPLETED PRODUCT TO BE IN A SINGLE PLANE ABLE TO LAY FLAT ON A HORIZONTAL SURFACE. ALL WORK TO BE DONE IN A VERTICAL POSITION. ALL DIMENSIONS ARE CENTER TO CENTER U. N. O. ALL PIPE AND FITTINGS 3/4" COPPER (7/8" OD). 4 1/2" C-C TO BE MAINTAINED THROUGHOUT ASSEMBLY.

**BILL OF MATERIALS AS FOLLOWS:**  
2-6" 3/4" TYPE L COPPER  
1-3/4" COP. TEE  
1-3/4" COP. 90° ELLS  
1-3/4" COP. 45° ELLS  
2-3/4" HARD CAPS  
1-3/4" FIP ADAPTER-SOLDER TO ASSEMBLY BASE UPON COMPLETION



**Inc.**

P.O. Box 1647  
Eaton Park, FL 33840

863-665-6197

4310 Sandyway Lane  
Lakeland, FL 33803

PLUMBING  
CFC027344

MECHANICAL  
CMC018901

GENERAL  
CGC036268

POLLUTANT STORAGE SYSTEMS  
PCC052737