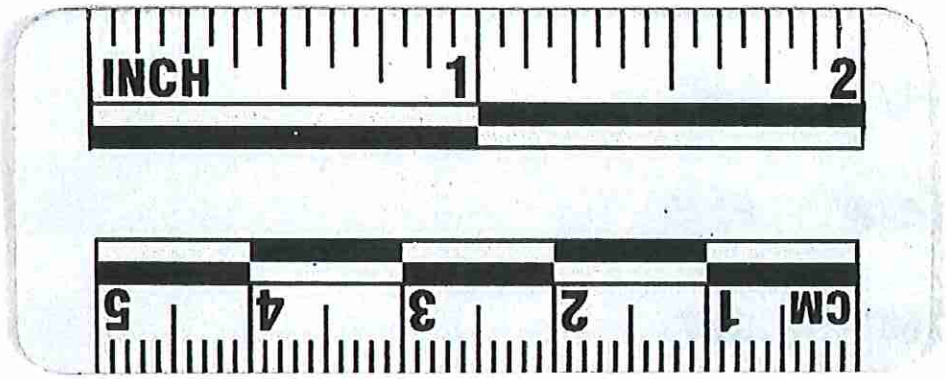
Gunsmithing Math Preparation
ANSWER SHEET

Name _____ **Date** _____

These math problems are provided only to make you aware of the types of math skills that will be used during your Gunsmith training. Your goal should be to solve each question without the aid of anyone else, the Internet or a calculator

1.) For each question, circle the appropriate place on the scale (rule) and draw a line from the question to the corresponding circle

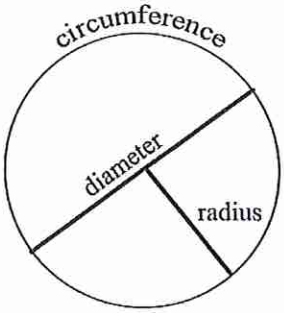
1/16" **5/8"** **11/16"** **1-3/8"** **1-13/16"** **4"**



2.) Divide the following in half; then covert to either decimals or fractions. Take all decimals to a minimum of 3 places.

1)	½"	¼"
2)	¾"	3/8"
3)	.250"	.125"
4)	5"	2 ½"
5)	7/8"	7/16"
6)	.0625"	.03125"
7)	1/8"	1/16"
8)	.750"	.375"
9)	1.250"	.625"
10)	1-1/4"	5/8"
11)	1-5/8"	.8125
12)	.700"	.350"
13)	.950"	.475"
14)	.001"	.0005
15)	7-1/2"	3-3/4"

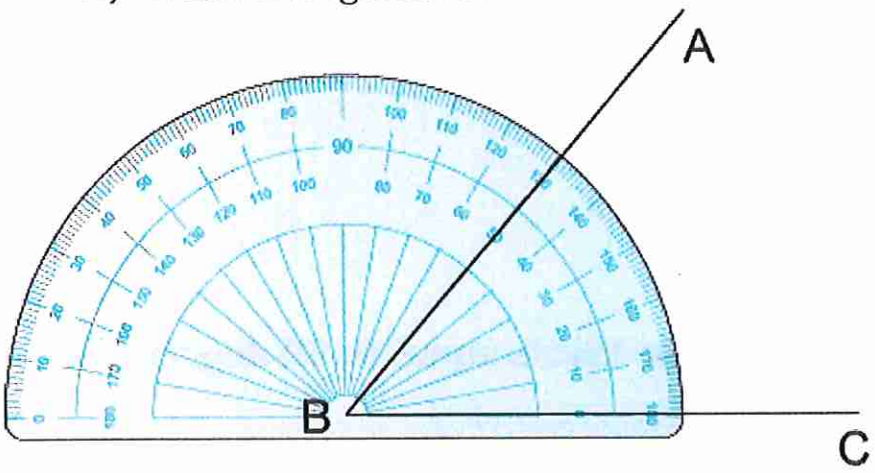
3.) Solve by finding Radius using



5" Diameter : Radius = 2 ½"

1-1/2" Radius: Diameter = 3"

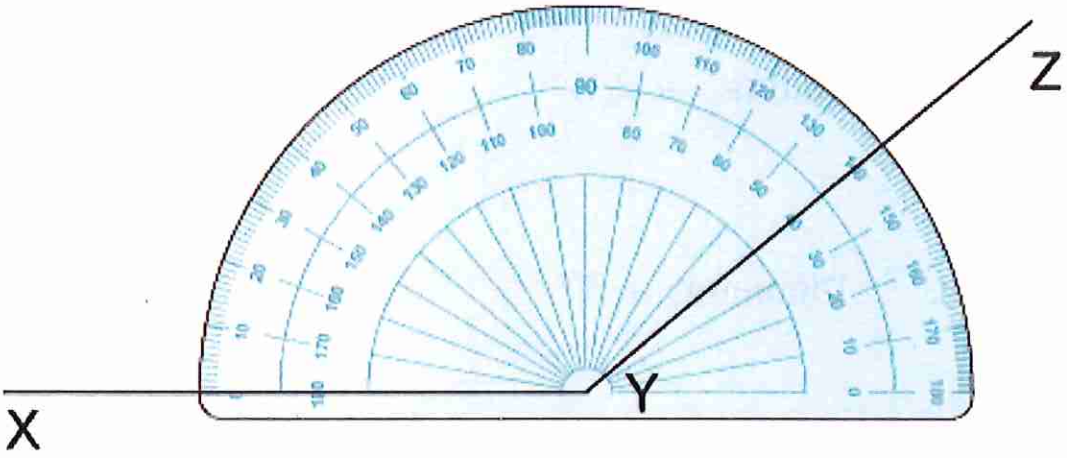
4.) What is angle ABC?



a) 130 degrees b) 45 degrees c) 50 degrees

50 Degrees

5.) What is angle XYZ?



a) 40 degrees b) 50 degrees c) 140 degrees

140 degrees

6.) What name is given to an angle that is equal to 90 degrees?

a) acute angle b) reflex angle c) right angle

Right Angle

7.) Solve the following problems:

1. A barrel has a 30 caliber bore which when measured with a bore micrometer is .308" (disregard any lands or grooves). If the muzzle measures .758", what is the thickness of 1 side wall?

.758"
-.308"

.450"
÷2

.225"

2. Using the above example and its measurements, a sight needs to mounted and fastened by a screw to the barrel at the muzzle. Assuming, a .060" wall thickness for safety between the bottom of the screw and the bore, what is the depth of the screw hole in thousandths of an inch?

.758"
-.308"

.450"
÷2

.225"
-.060"

.165"