TECH 1521
Graphics and Descriptive Geometry

Homework Packet 1

Name: ______________________

Date:________________________
Grade Sheet – Packet 1

| Sheet 1 | _______ |
| Sheet 2 | _______ |
| Sheet 3 | _______ |
| Sheet 4 | _______ |
| Sheet 5 | _______ |
| Sheet 6 | _______ |
| Sheet 7 | _______ |
| Sheet 8 | _______ |
| Sheet 9 | _______ |
| Sheet 11 | _______ (do not turn in sheet 10) |

Average _______ (Before Adjustment)

Adjustment _______ (Neatness, Organization, Completeness)

Final Grade _______
DETERMINE THE READINGS INDICATED AND PRINT YOUR ANSWERS IN FEET AND INCHES.

1. ____

FULL SCALE

2. ____

3/8" = 1'

3. ____

1 1/2" = 1'

4. ____

1/8" = 1'

5. ____

1/4" = 1'

6. ____

3/8" = 1'

7. ____

1/4" = 1'

8. ____

3/4" = 1'

SHEET 002
GRADE ___
DETERMINE THE READINGS INDICATED AND PRINT YOUR ANSWERS IN MILLIMETERS OR METERS.

1. _____ mm
2. _____ mm
3. _____ mm
4. _____ mm
5. _____ mm
6. _____ mm
7. _____ meters
8. _____ meters

SHEET 003
GRADE ___
Copy each letter 10 times in the space provided below.

A ........................................................................ U
B ........................................................................ V
C ........................................................................ W
D ........................................................................ X
E ........................................................................ Y
F ........................................................................ Z
G ................................................................. 1
H ........................................................................ 2
I ........................................................................ 3
J ........................................................................ 4
K ........................................................................ 5
L ........................................................................ 6
M ........................................................................ 7
N ........................................................................ 8
O ........................................................................ 9
P .......................................................................... 0
Q ........................................................................
R ........................................................................
S ........................................................................
T ........................................................................

SHEET 004
GRADE ____
Letter the following paragraph in the space provided below:

MTEXT creates paragraphs that fit within a nonprinting text boundary. You create the text boundary to define the width of the paragraph. You can also specify the justification, style, height, rotation, width, color, spacing, and other text attributes using MTEXT. Each multiline text (MTEXT) object is a single object, regardless of the number of lines it contains. The text boundary, although not plotted, printed, or displayed, remains part of the object's framework.
Draw the figure in the space provided.

Use a compass and straightedge for all work.
7.1 Construct a triangle from the lines given.
7.2 Construct an equilateral triangle using line ab as one edge.
7.3 Bisect line mn
7.3 Bisect angle rst

Use a compass and straight edge for all work.
Show your work!

a  b
a  b
c  d
e  f

m  n

s

r

Sheet 007
Grade ___
8.1 Points a, b, and c define the circumference of a circle. Construct that circle.
8.2 Using the compass method, construct a line parallel to line rs.
8.3 Construct an arc of radius r tangent to both ab and de.

Use a compass and straight edge for all work. Show your work!
9.1 Construct an arc of radius $r$ that is tangent to lines $ab$ and $bc$.
9.2 Construct 2 arcs of radius $r$ which are tangent to both arcs.

Use a compass and straight edge for all work.
Show your work lightly!

(Like this)