

1	1	3	1	5	3	7	1	9	5	11	3	13	7	15
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	8	16	4	16	8	16	2	16	8	16	4	16	8	16

2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	8	16	4	16	8	16	4	16	8	16	4	16	8	16

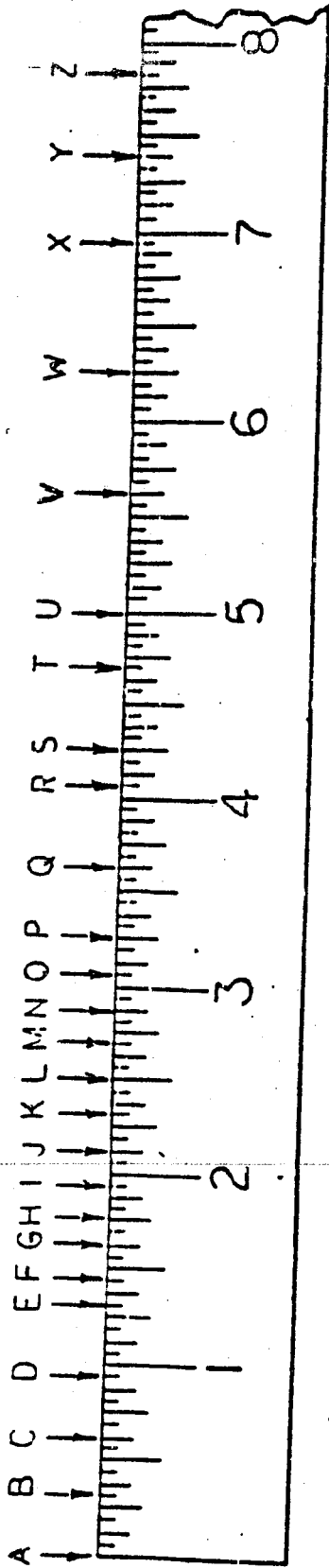
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	8	16	4	16	8	16	4	16	8	16	4	16	8	16

8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
16	8	16	4	16	8	16	4	16	8	16	4	16	8	16

Name _____
Date _____ Per. _____

READING A RULER

1. Name two common systems of measurement:
 - a. _____
 - b. _____
 2. What are the parts of the ruler?
 3. What is the common fraction in all inch rulers?
 4. What is the numerator?
 5. What is the denominator?
 6. What do the small marks above the measurement represent?
 7. What are the different lengths of lines on the ruler for?
 8. How can you figure out the accuracy of your ruler or tape measure?
 9. How do you measure something that doesn't exactly line up on a line on the ruler?
-
10. Name three ways to check your answers;
 - a. _____
 - b. _____
 - c. _____



A TO B _____
 A TO C _____
 A TO D _____
 A TO E _____
 A TO F _____
 A TO G _____
 A TO H _____
 A TO I _____
 A TO J _____
 A TO K _____
 A TO L _____
 A TO M _____
 A TO N _____

A TO O _____
 A TO P _____
 A TO Q _____
 A TO R _____
 A TO S _____
 A TO T _____
 A TO U _____
 A TO V _____
 A TO W _____
 A TO X _____
 A TO Y _____
 A TO Z _____

Measurements must be within 1/16"

$2\frac{3}{4}$ "

$1\frac{3}{16}$ "

$5\frac{7}{16}$ "

4"

$3\frac{7}{8}$ "

$6\frac{1}{8}$ "

$1\frac{5}{16}$ "

$5\frac{3}{8}$ "

$2\frac{1}{4}$ "

$3\frac{9}{16}$ "

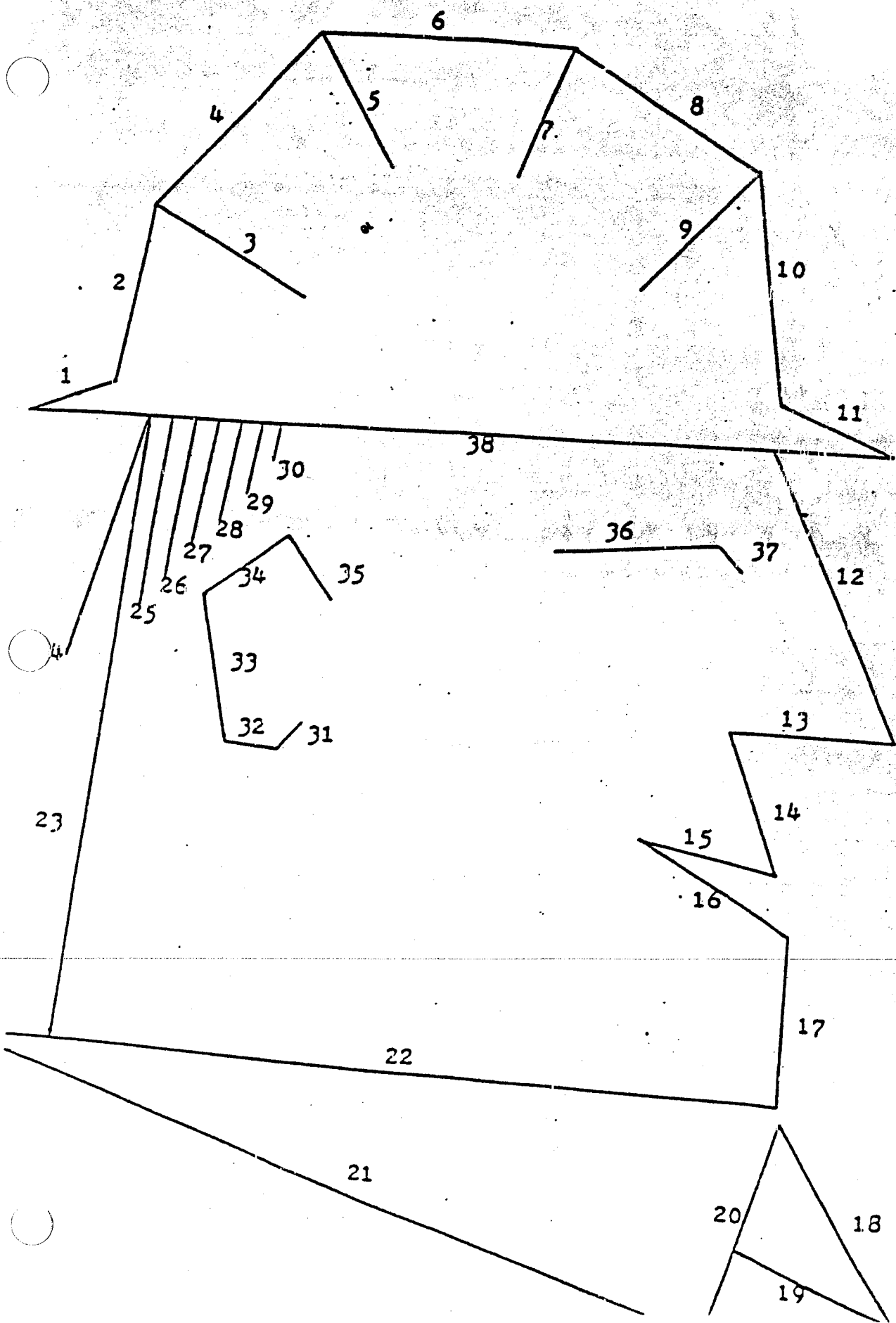
$1\frac{1}{16}$ "

$4\frac{15}{16}$ "

$6\frac{13}{16}$ "

$3\frac{5}{8}$ "

$1\frac{1}{8}$ "



Name _____ Date _____ Period _____

Ag Mechanics Skills 1
Measure the Man Answer Sheet

- | | |
|-----------|-----------|
| 1. _____ | 20. _____ |
| 2. _____ | 21. _____ |
| 3. _____ | 22. _____ |
| 4. _____ | 23. _____ |
| 5. _____ | 24. _____ |
| 6. _____ | 25. _____ |
| 7. _____ | 26. _____ |
| 8. _____ | 27. _____ |
| 9. _____ | 28. _____ |
| 10. _____ | 29. _____ |
| 11. _____ | 30. _____ |
| 12. _____ | 31. _____ |
| 13. _____ | 32. _____ |
| 14. _____ | 33. _____ |
| 15. _____ | 34. _____ |
| 16. _____ | 35. _____ |
| 17. _____ | 36. _____ |
| 18. _____ | 37. _____ |
| 19. _____ | 38. _____ |

Name _____ Date _____ Period _____

Ag Mechanics Skills 1
Measurement Worksheet
Hammer

Directions: Starting point is 2 1/2" from the top edge and 3 1/2" from the left edge of the page.

- R-1/2"
- D-1/4"
- R-1 7/8"
- D-1 3/8"
- L-3/8"
- U-3/4"
- L-1/2"
- D-5 7/8"
- L-5/8"
- U-5 7/8"
- L-3/8"
- D-1/4"
- L-1/2"
- U-1 1/8"

Ag MECHANICS SKILLS I
Measurement Work Sheet
Tractor

Name _____
Date _____

Directions: Start point is 3 1/2" from the left and 2" from the top of page.

I-1 1/2"
U-1"
I-5/16"
U-1/16"
L-5/16"
U-1/8"
R-5/16"
U-1 1/8"
R-1/4"
U-1 1/2"
I-3/16"
U-1/8"

R-2 3/8"
D-1/8"
I-3/16"
D-1 1/2"
R-1 1/4"
U-1/8"
L-1/16"
U-5/8"
R-1/16"
U-7/8"
R-1/4"
D-7/8"
R-1/16"
D-5/8"
I-1/16"
D-1/8"
R-1"
U-1/16"
I-1/16"
U-1/16"
R-3/8"
D-1/16"
I-1/16"
D-1/16"
R-1/2"
D-7/8"
R-1/8"
U-3/8"
R-3/16"
D-1"
I-3/16"
U-3/8"
L-1/8"
D-3/16"
L-1/4"
D-1"
L-1 3/16"
U-1"
L-2 1/4"
D-1"

Ag Mechanics Skills 1
Measurement Unit
C-Clamp Worksheet

Name _____

Date _____ Period _____

Directions: Your starting point will be 5 inches from the left edge of the paper and 7 inches from the top edge. From this point draw lines following these directions. (L=left; R=right; U=up; D=down)

1. U $1/4$ "
2. R $1/2$ "
3. D $11/16$ "
4. L $1/2$ "
5. U $1/8$ "
6. L $1-11/16$ "
7. U 2 "
8. R $1-11/16$ "
9. U $1/4$ "
10. R $1/8$ "
11. U $5/8$ "
12. L $3/16$ "
13. U $5/16$ "
14. R $5/8$ "
15. D $5/16$ "
16. L $3/16$ "
17. D $5/8$ "
18. R $1/8$ "
19. D $3/4$ "
20. L $1/8$ "
21. D $3/4$ "
22. L $1/4$ "
23. U $3/4$ "
24. L $1/8$ "
25. U $1/8$ "
26. L $1-1/4$ "
27. D $1-1/4$ "
28. R $1-1/4$ "

Ag MECHANICS SKILLS 1
Measurement Work Sheet
Track Layer

Name _____

Date _____

Directions: Start point is 3 1/2" from the left and 2" from the bottom of page.

- U-1/2"
- L-1/2"
- D-1 7/8"
- L-1/4"
- U-3 1/8"
- R-1/4"
- D-1"
- R-1/2"
- U-1"
- R-1/2"
- U-1/8"
- R-1/4"
- D-1/8"
- R-1/2"
- U-2 3/4"
- R-3/8"
- D-2 3/4"
- R-2 5/8"
- U-5/8"
- R-3/4"
- U-1 1/8"
- L-2 5/8"
- D-1 3/4"
- L-1/4"
- U-2"
- R-3 1/8"
- D-2 3/4"
- R-3/8"
- D-1/2"
- L-3/8"
- D-1/2"
- L-1/4"
- D-1/4"
- L-4 1/2"
- D-1 1/8"
- R-4 1/4"
- U-1 3/8"
- L-4 3/4"

AG MECHANICS SKILLS 1
Integrated Measurement Unit
Project A - Scale Drawing

NAME _____

DATE _____

ASSIGNMENT: To produce a scale drawing of a house.

1. Choose a home to which you have access or plan your own dream house.
2. Make a scale drawing of your home. Include measurements on your drawing.
3. Complete the worksheet.

Materials you will need:

- | | |
|----------------------------|------------------------------|
| - Tape measure | - Ruler |
| - Pencil | - Colored pencils (optional) |
| - Graph paper (for sketch) | - Paper for final drawing |

Step 1

Make a rough sketch on graph paper of your home. Use a tape measure to make your measurements and include these on the sketch.

Step 2

When the sketch is complete, you need to choose a scale to use for your final drawing. The scale will depend on the size of the paper you will use. An example of a scale is, $1''=1'$. This means that $1''$ on the paper equals $1'$ on the house.

Step 3

Complete final drawing.

AG MECHANICS SKILLS 1
Measurement Unit
Project "A" Worksheet

NAME _____

DATE _____

Complete the worksheet as it applies to your scale drawing. Use the back if you need more room.
This worksheet is worth 50 points.

1. Give the dimensions, perimeter, and the area of each room in your house.

<u>ROOM</u>	<u>DIMENSIONS</u>	<u>PERIMETER</u>	<u>AREA</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

2. When homes are advertised for sale, the listing includes the size of the living space (does not include the garage) in square feet. How many square feet of living space is in your house?

House _____

3. Describe the process you used in completing this assignment. Be thorough and use complete sentences.

4. What parts of the project did you like? What parts did you not enjoy?

5. Describe what you learned from this project.

AG MECHANICS SKILLS I & MATH 1
Measurement Unit
Project "A" Scoresheet

NAME _____
DATE _____

CRITERIA	POSSIBLE	EARNED
1. House View Drawn to Scale	20	
2. Use of Drawing Tools	20	
3. Dimensions Clearly Labeled	20	
4. Overall Neatness of Drawing(s)	20	
5. Project "A" Worksheet Score	20	
TOTAL	100	

COMMENTS: