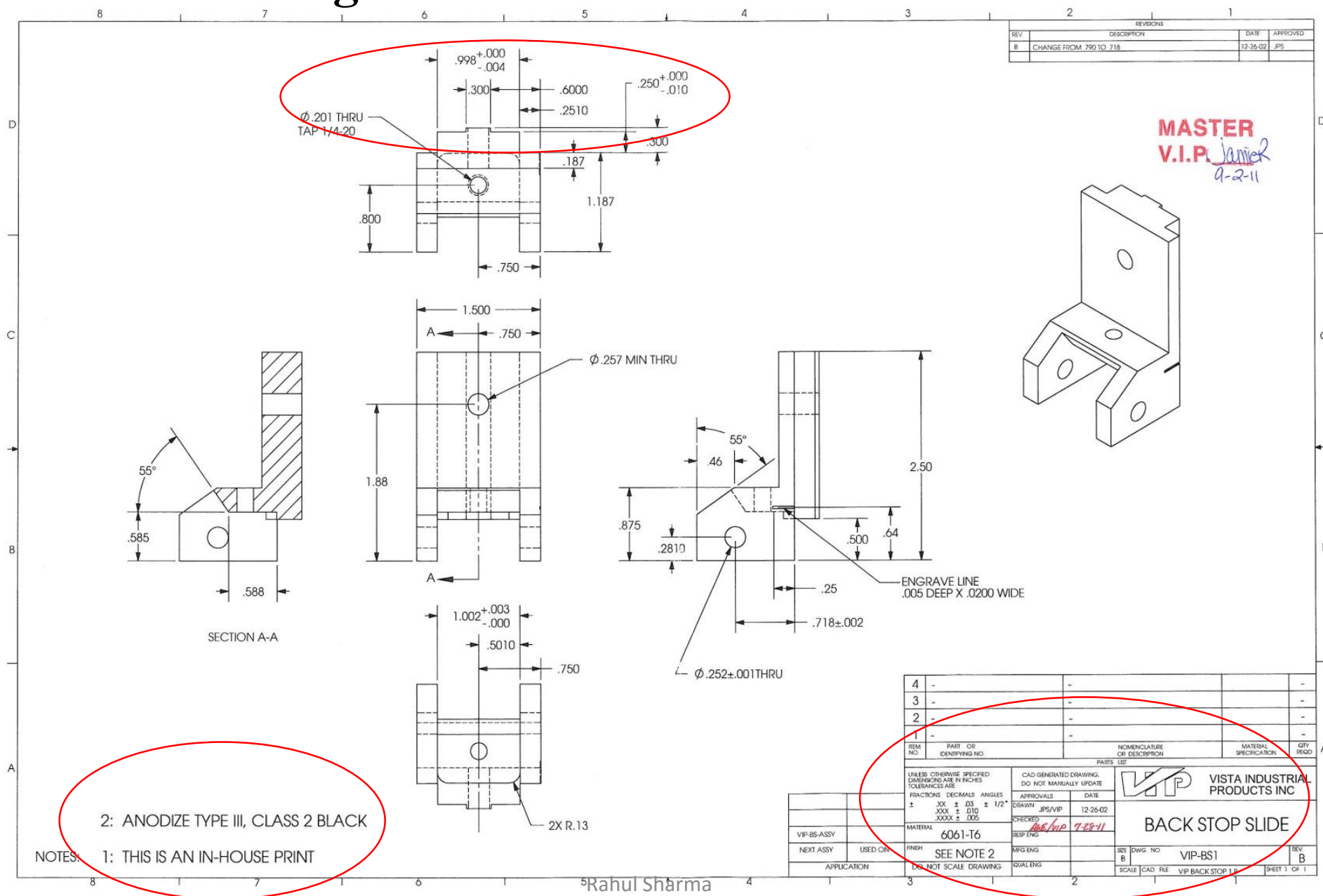


Engineering Graphics **(MEC 103)**

UNIT – 1

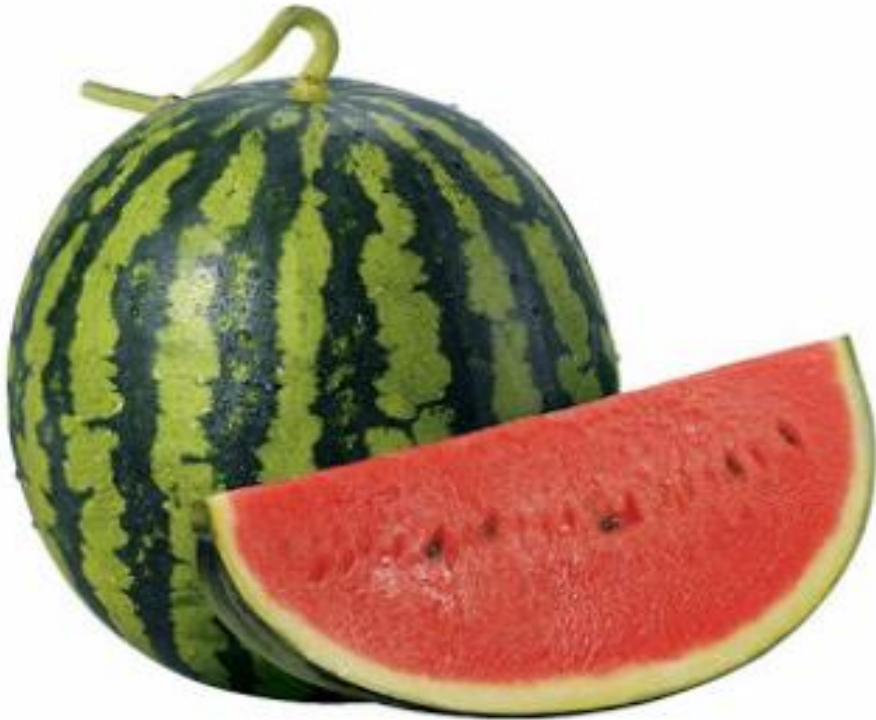
LETTER WRITING

What is Letter Writing?



Why it is required in Technical Drawing?

- *Standard Format*
- *Acceptable worldwide*
- *Understandable to Every Engineer*



Why it is required in Technical Drawing?



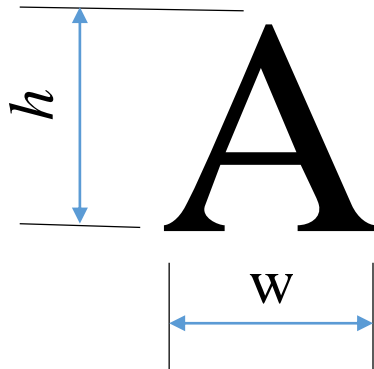
Types of Letter Writing:

$h : w$

$A = 7:5$

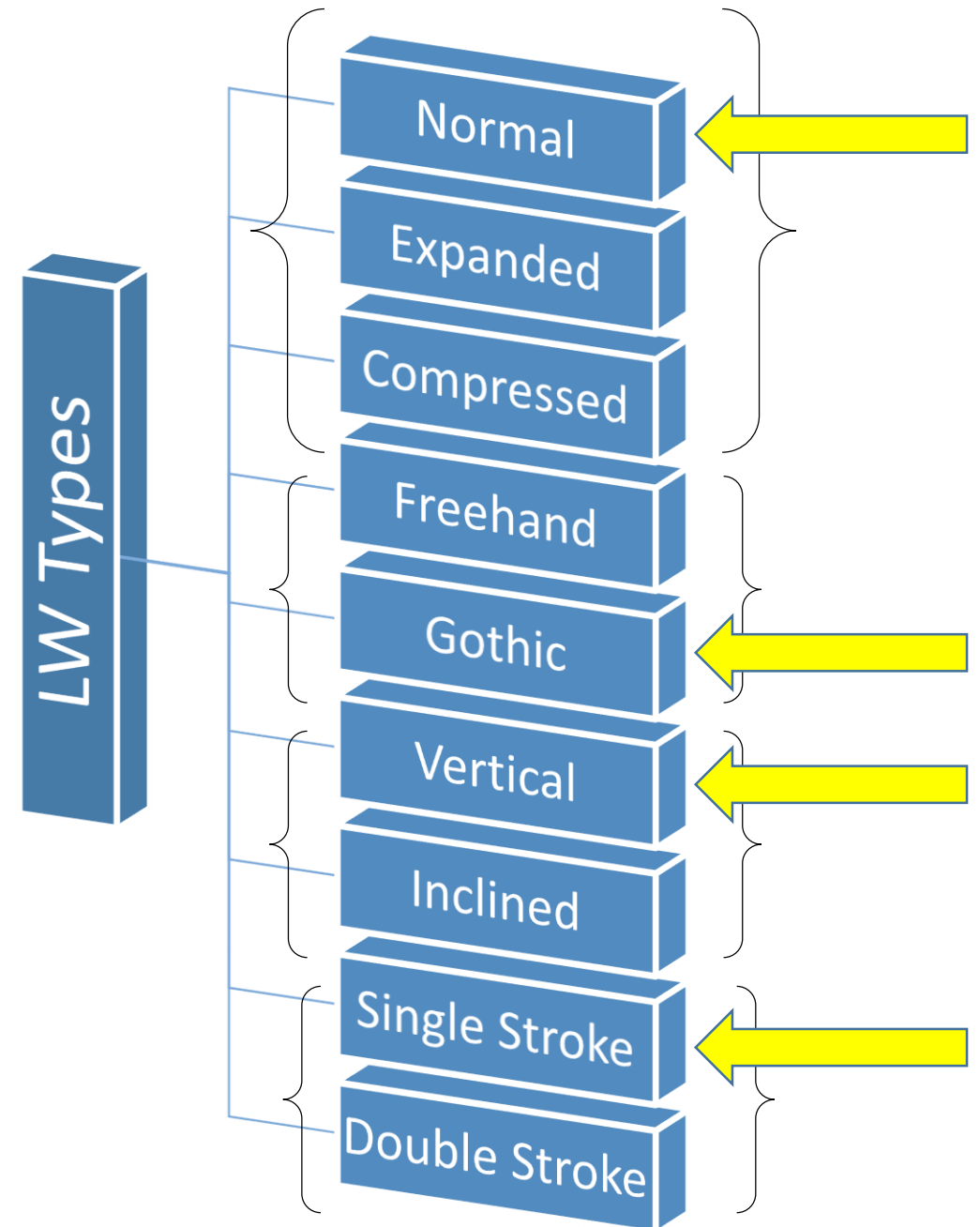
$\mathbf{A} = 7:6$

$A = 7:4$



D D

B B



Gothic Letters:

- ✓ *Single stroke letters are legible, neat in appearance and correct in style, therefore they are universally used for engineering drawings.*
- ✓ *Letters having all strokes of uniform thickness are classified as Gothic.*
- ✓ *The style of the letter, when the thickness of the strokes is such that it can be made with a single stroke of pencil, is called Single Stroke Gothic.*

Calculation Method:

Style is Normal

Given Height is 10mm

Normal Means = 7:5

So

Height : Width = Height : Width

$$7 : 5 = 10 : w$$

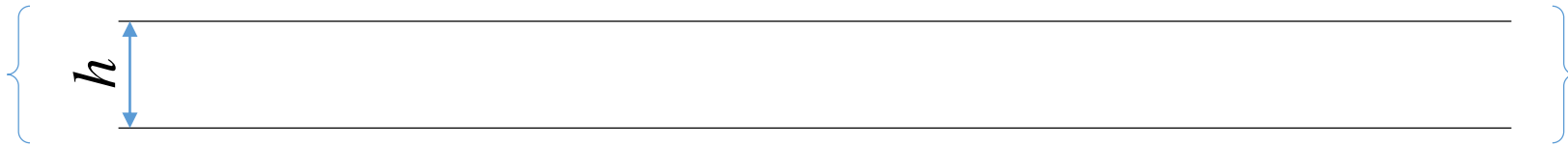
$$7/5 = 10/w$$

$$w = \frac{10 \times 5}{7}$$

$$w = 7.14\text{mm}$$

Guidelines:

- *Two parallel*
- *Horizontal*
- *Light lines*
- *Having gap equals to height of letter.*



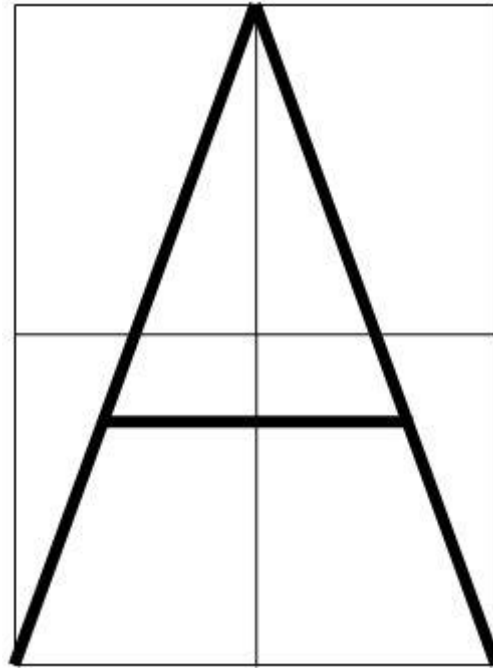
❖ *Regulate the height of letters*

Points to Remember:

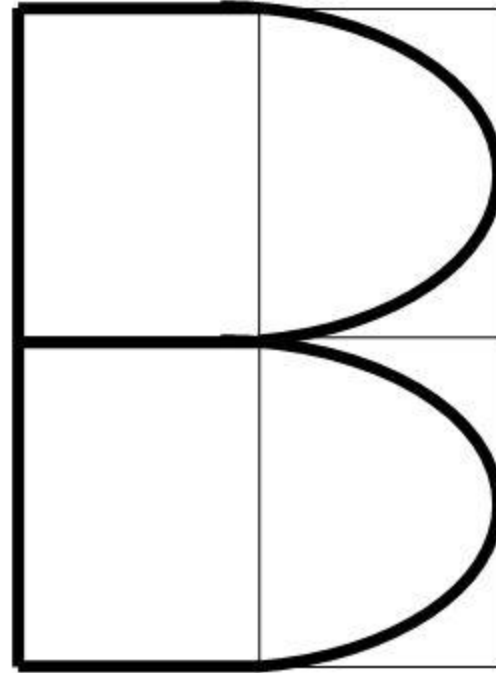
- ❖ *Letters are designated by their height.*
- ❖ *The Standard ratio of height to width for single stroke vertical gothic letters is given below.*

SR.	HEIGHT TO WIDTH RATIO	LETTER/NUMERAL
1.	7:5	All letters except I, J, L, M, W
2.	7:4	All numerals except 1
3.	7:1	I
4.	7:3	1
5.	7:4	L & J
6.	7:6	M
7.	7:8	W

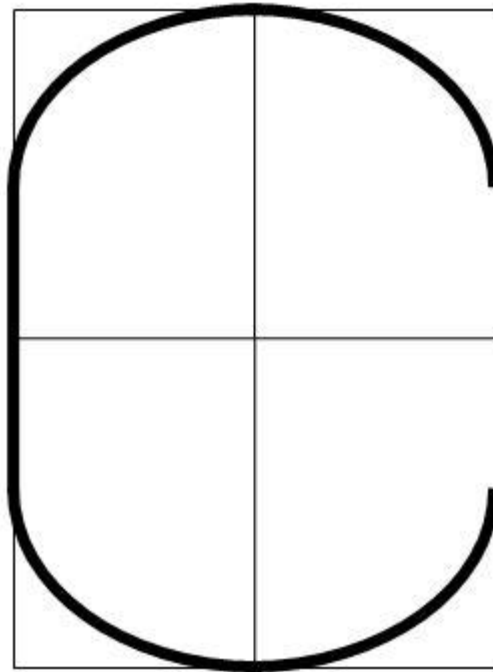
Gothic Letters



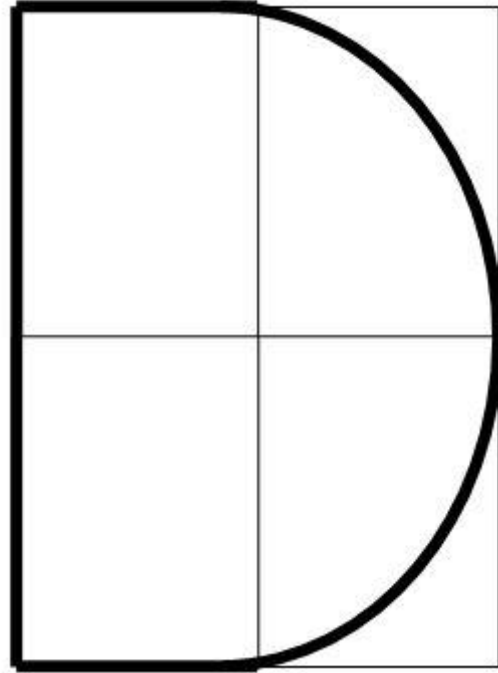
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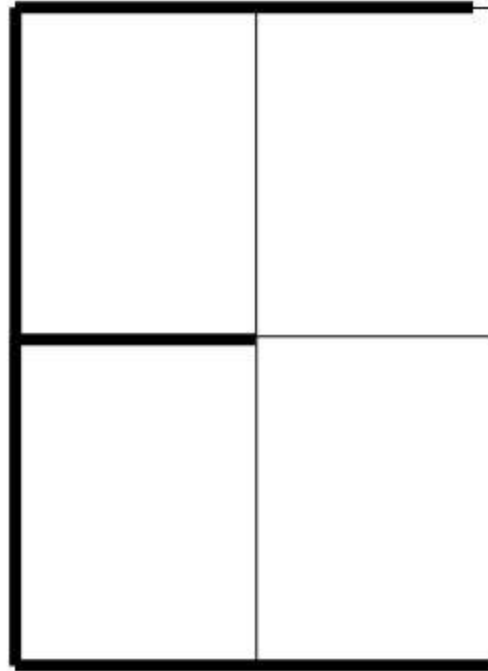
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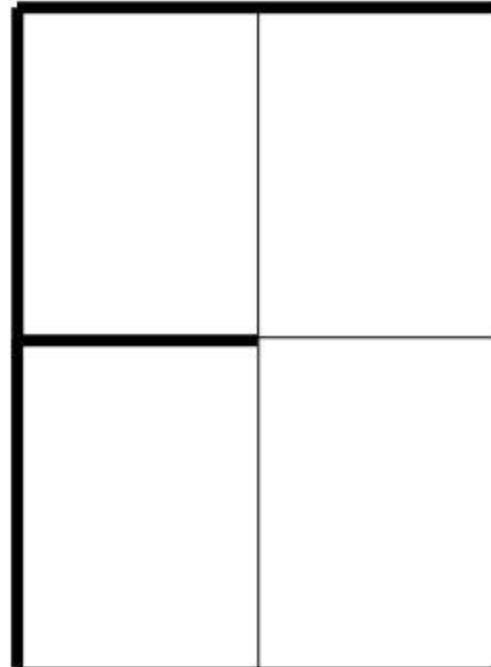
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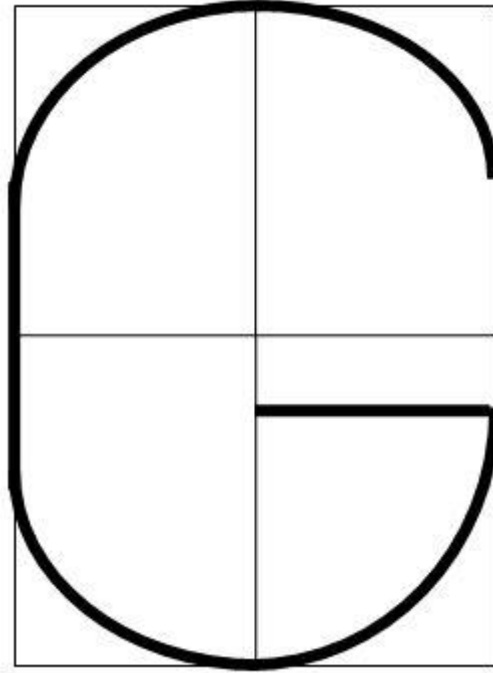
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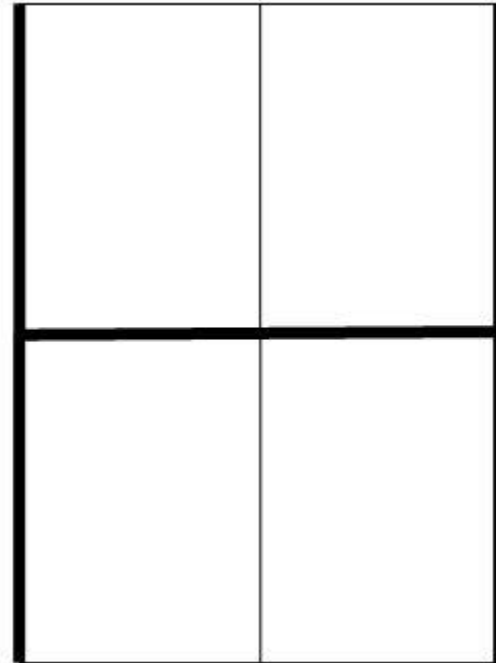
Gothic Letters



Gothic Letters



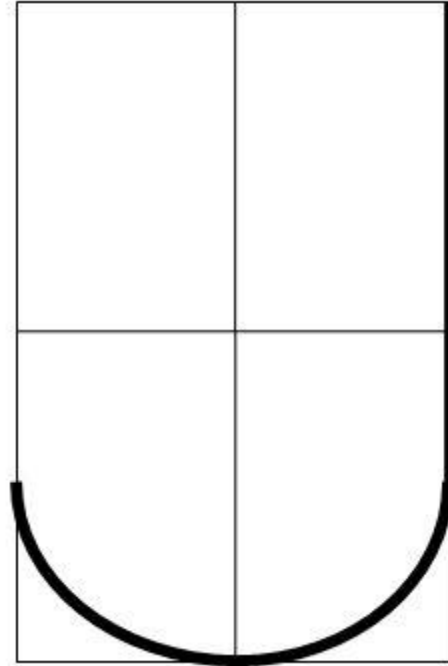
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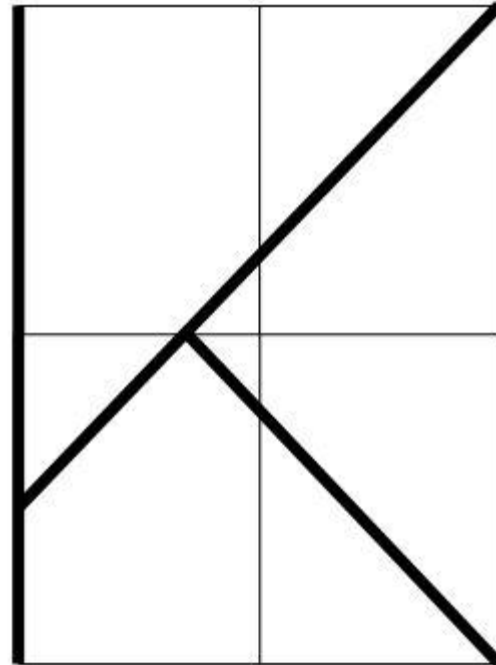
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I

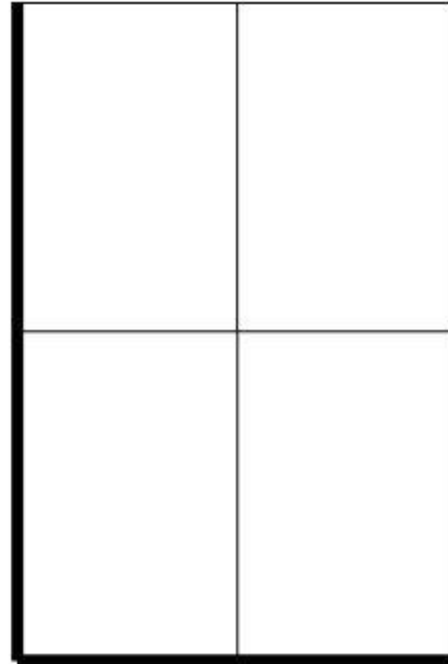
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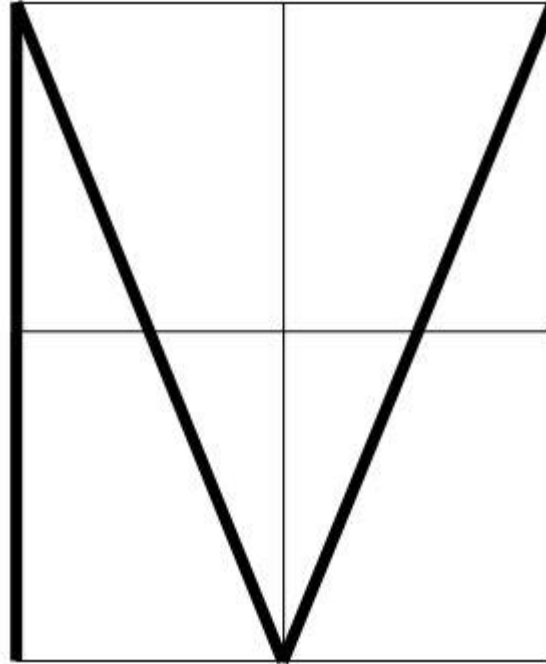
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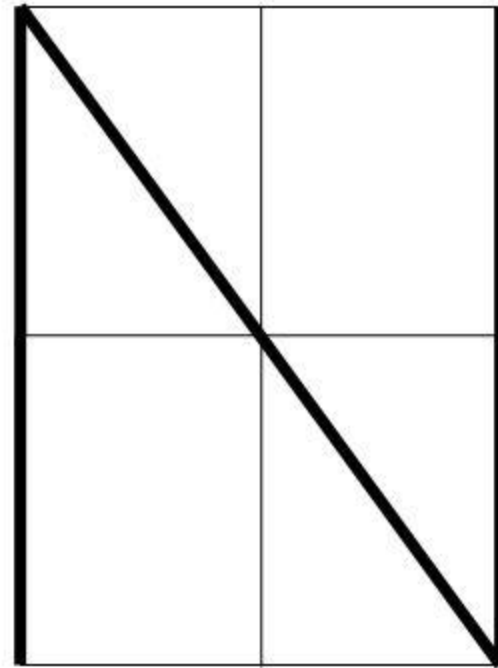
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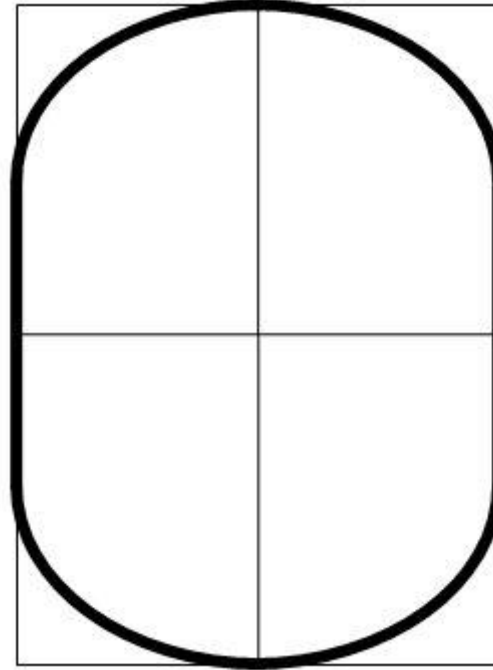
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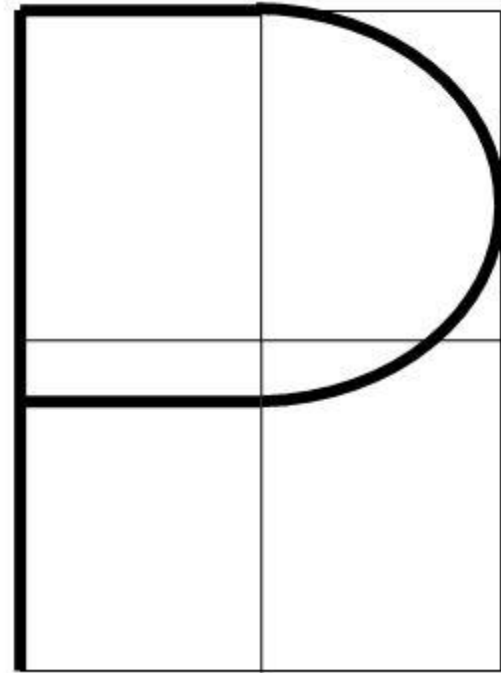
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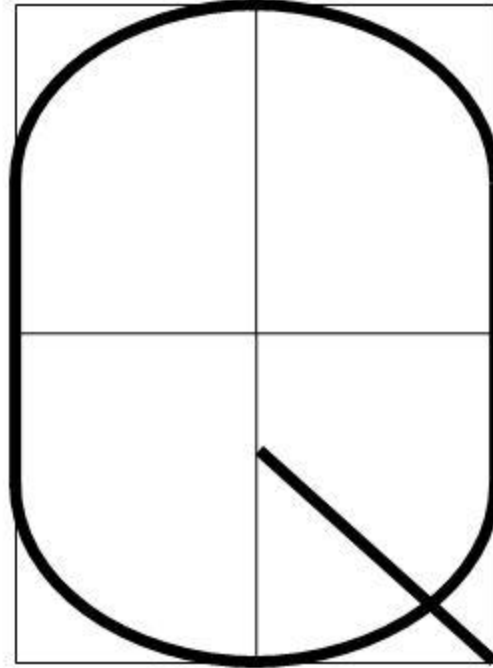
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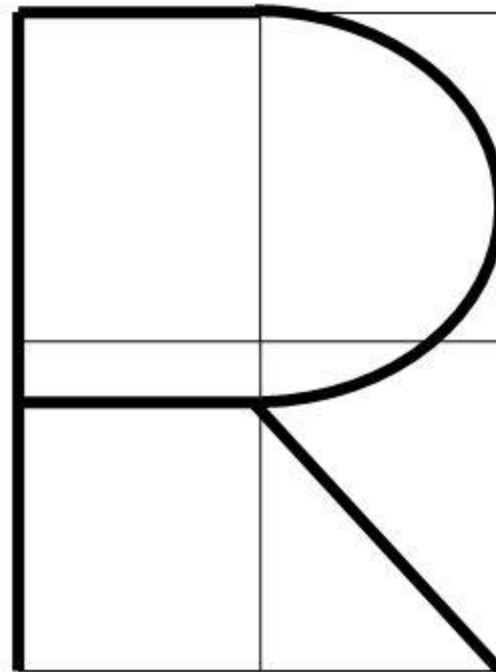
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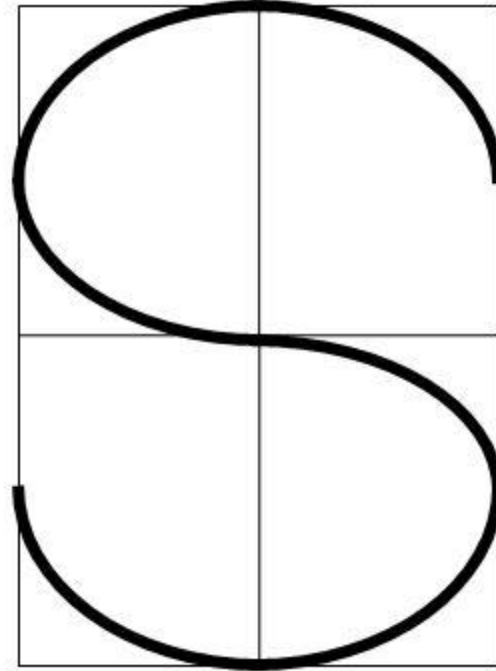
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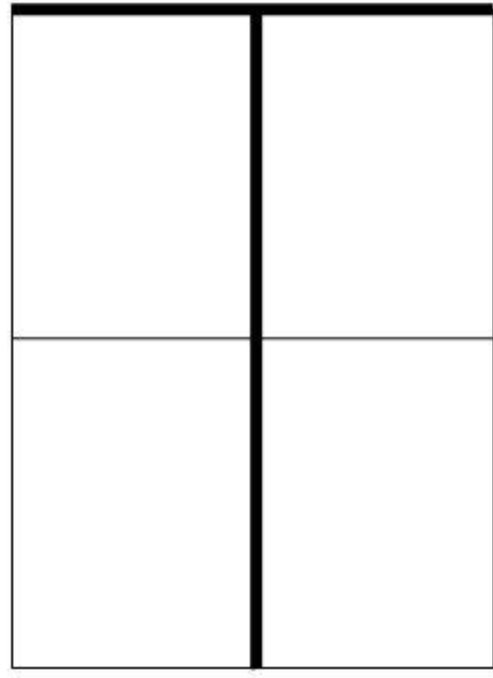
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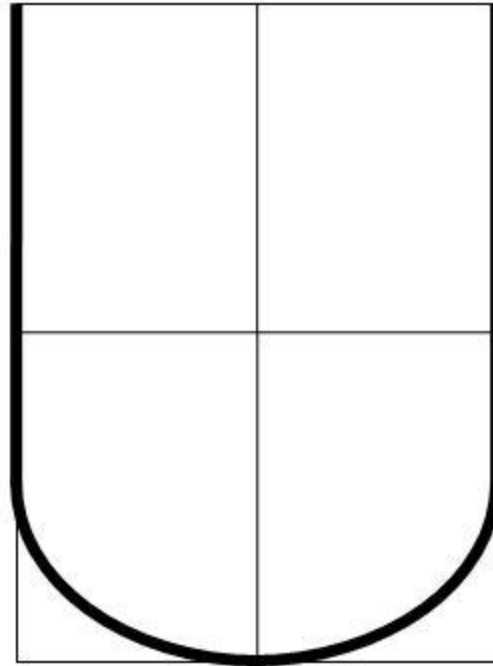
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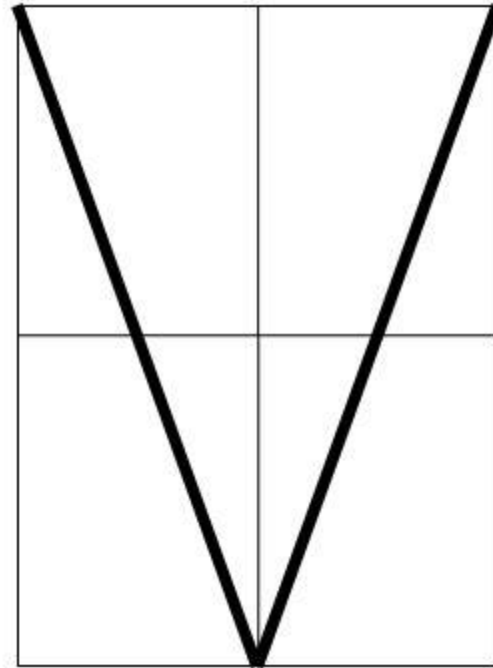
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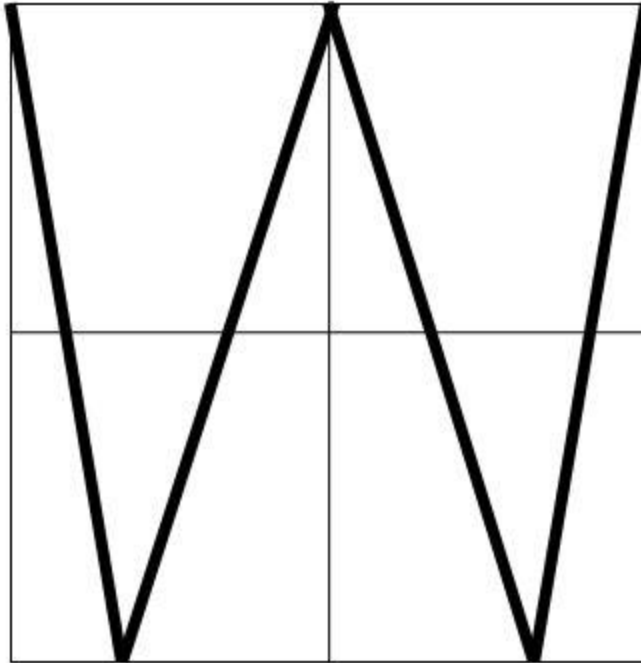
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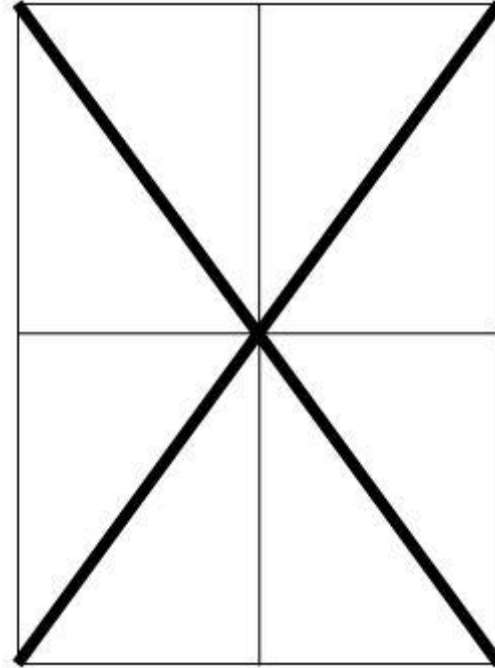
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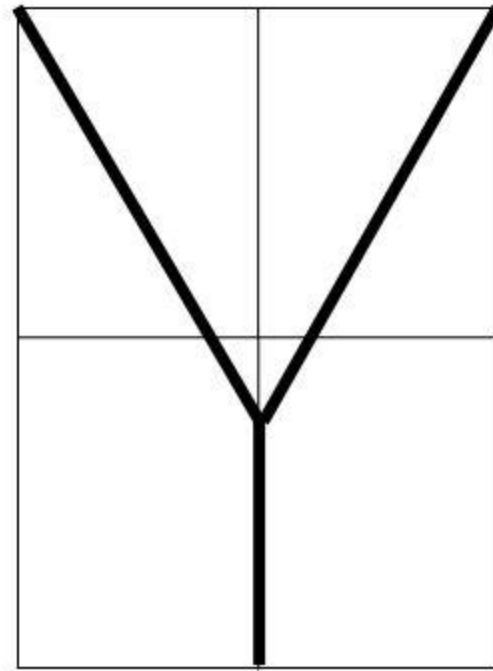
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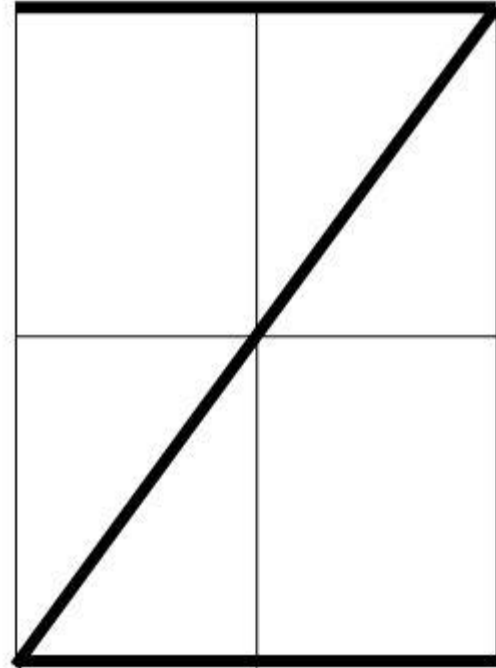
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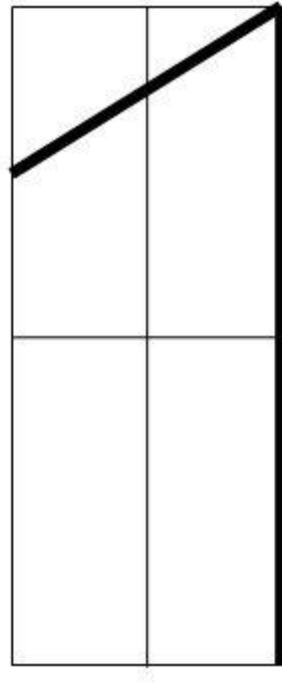
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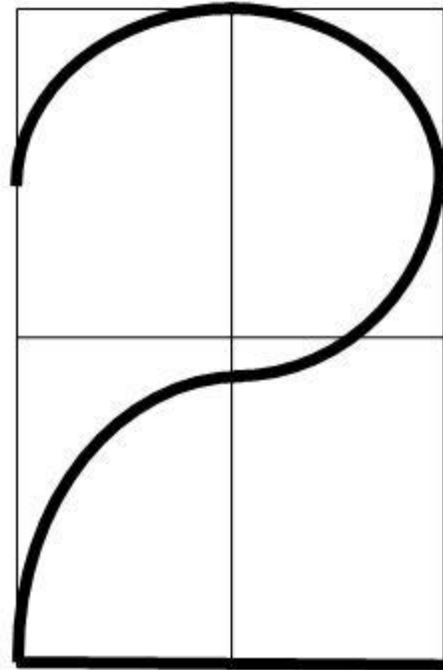
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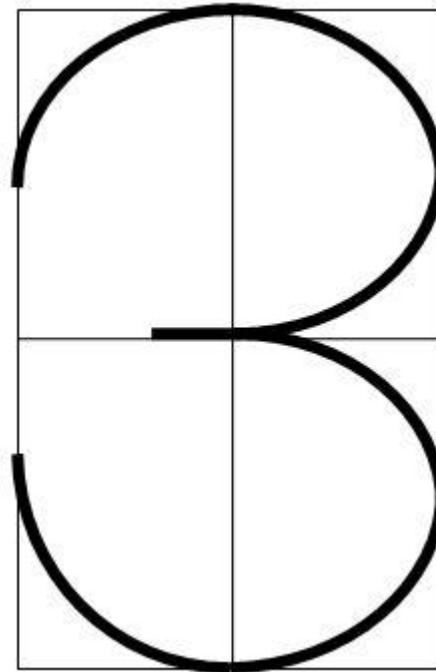
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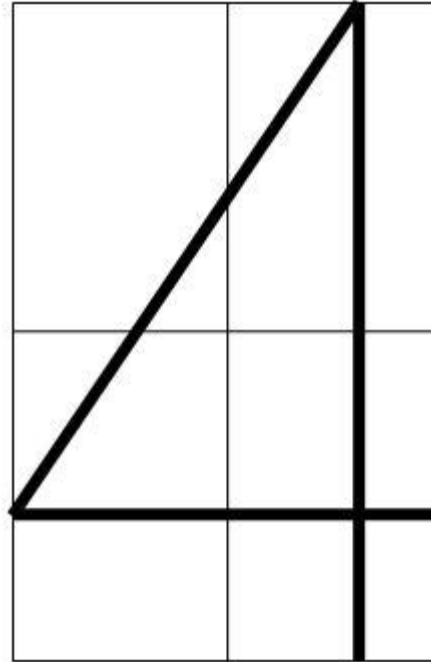
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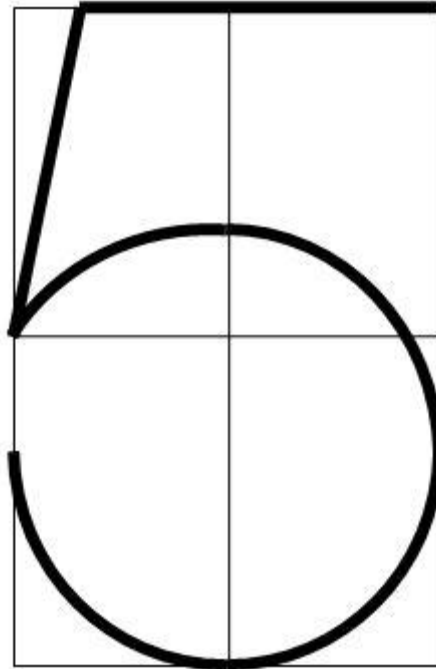
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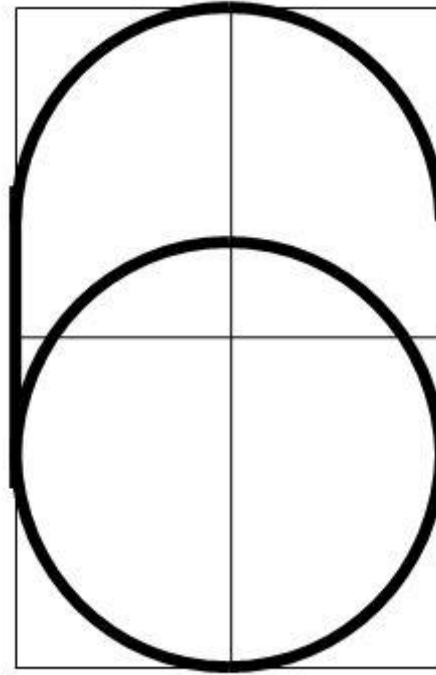
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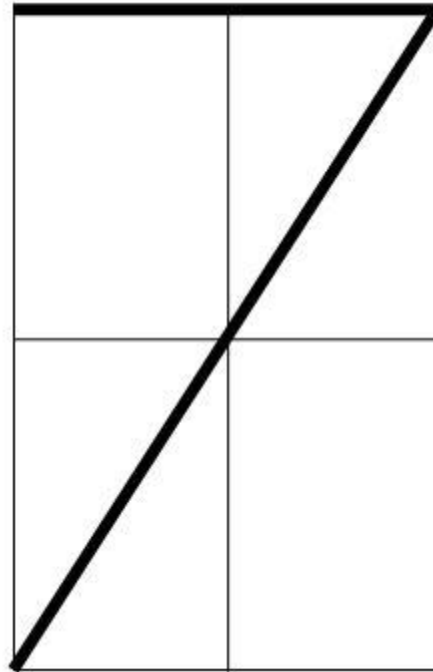
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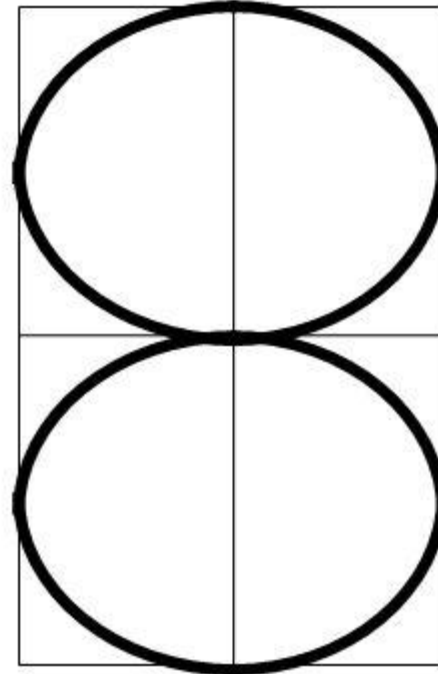
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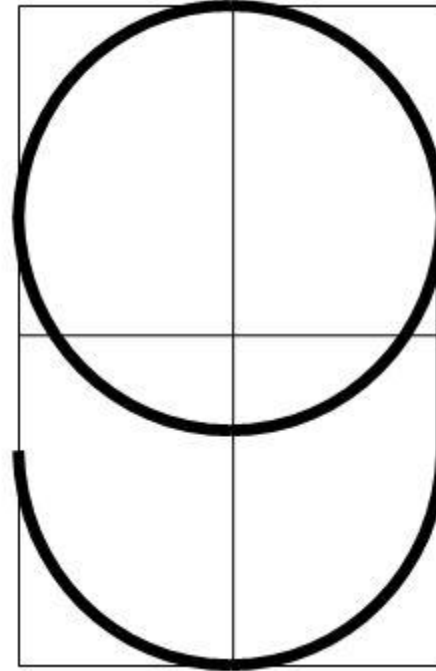
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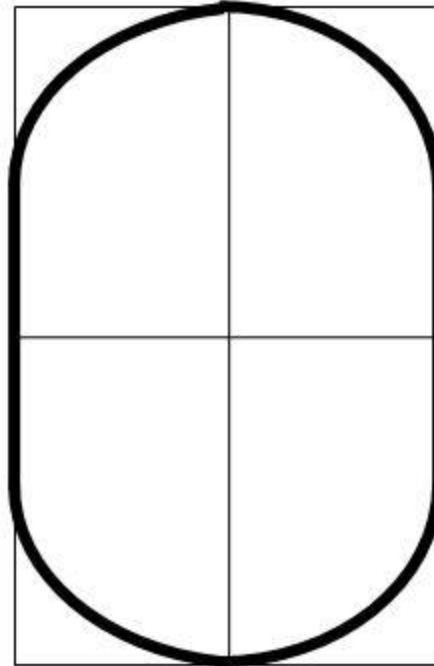
Gothic Letters



Gothic Letters



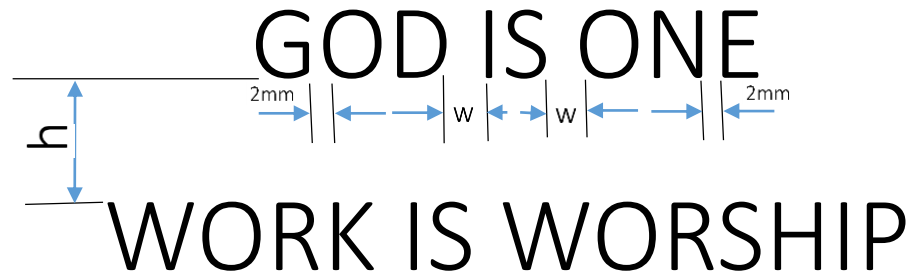
Gothic Letters



Rules of Letter Writing

LOVELY

1. The height of all the letters in one line should be the same.
2. The gap between two letters in a word should be 2 mm.
3. Words should be spaced one letter width apart and distance between two lines is equal to height of one letter.



4. They should appear upright from Bottom Edge, except when they are used for dimensioning.

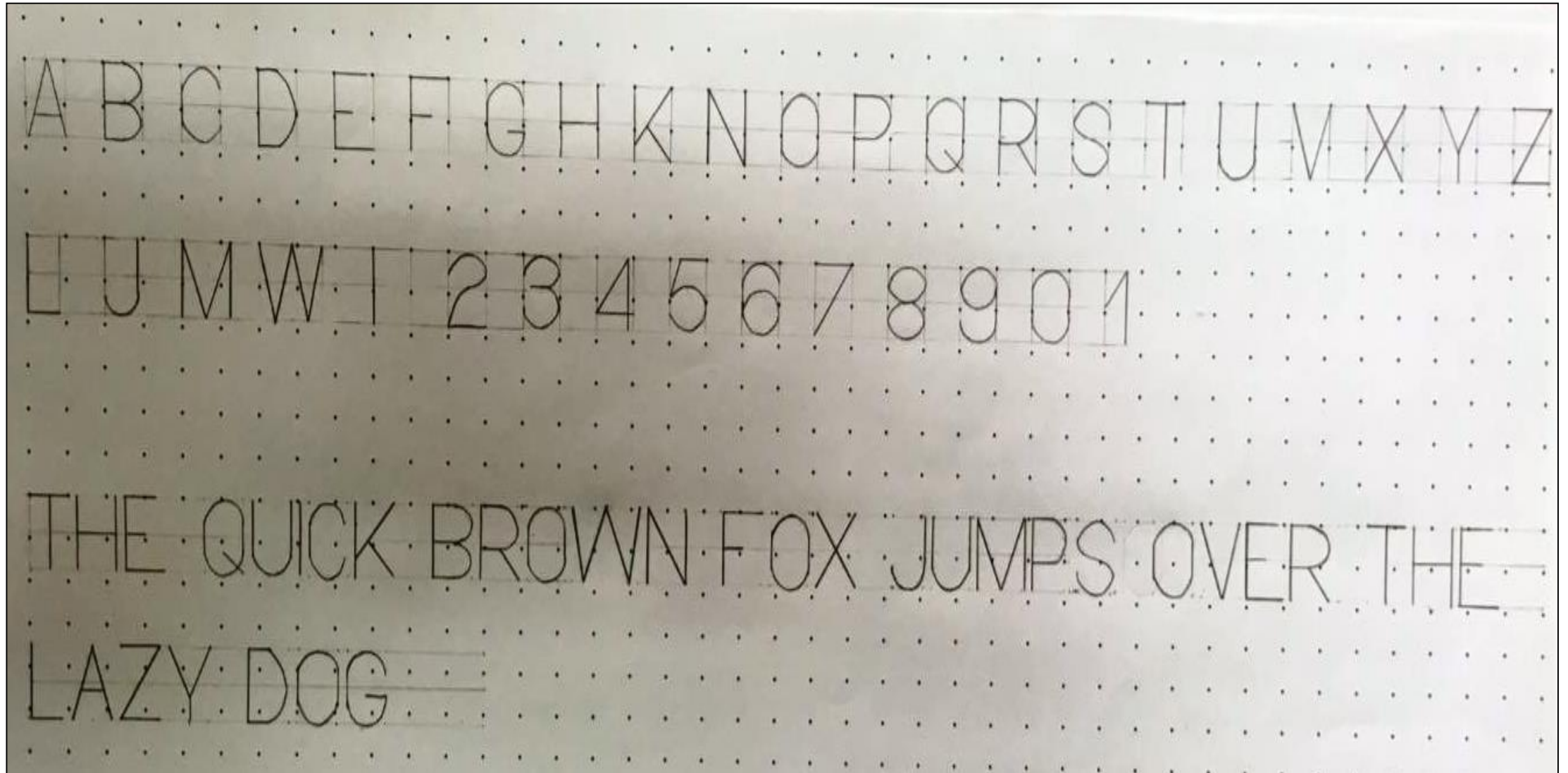
S S

Rules of Letter Writing

5. Round-off the sharp corners wherever necessary, e.g., D, P, S, etc.

6. Letters and numerals are designated by their heights.

Practice Sheet



Thank You