



LAB 2: ENGINEERING DRAWING

MAKERSPACE

MS-101

IIT Bombay

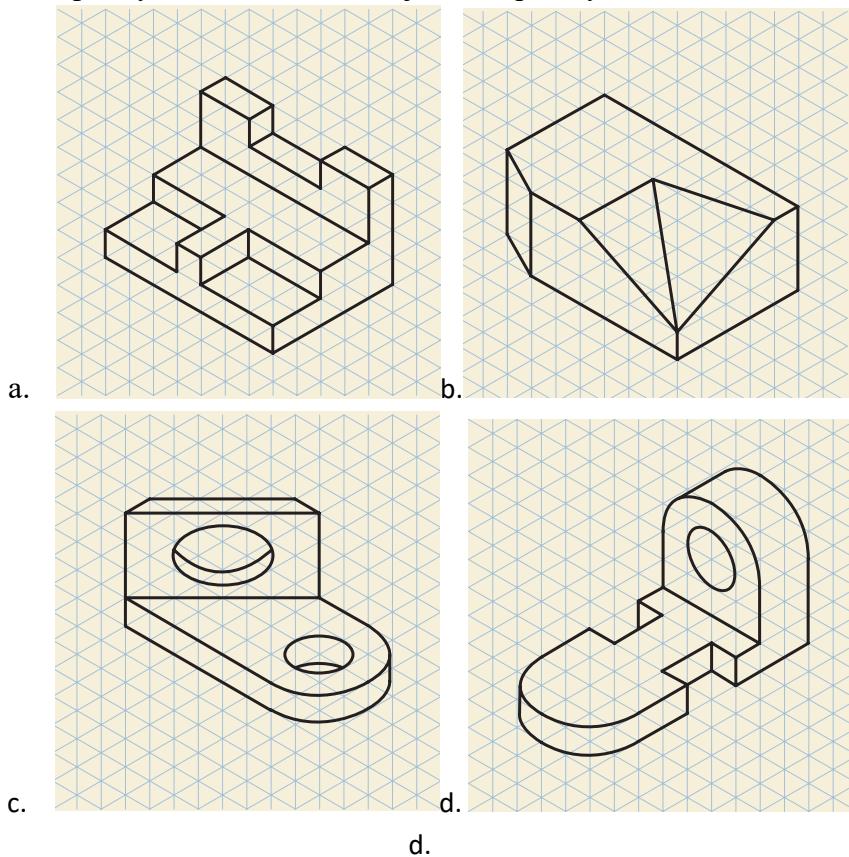
2022-23

NAME:

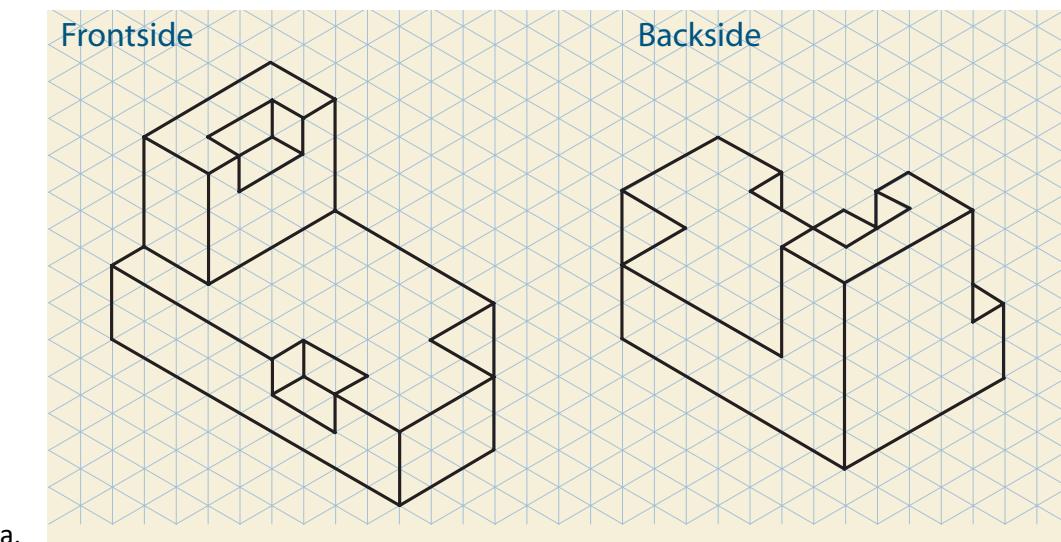
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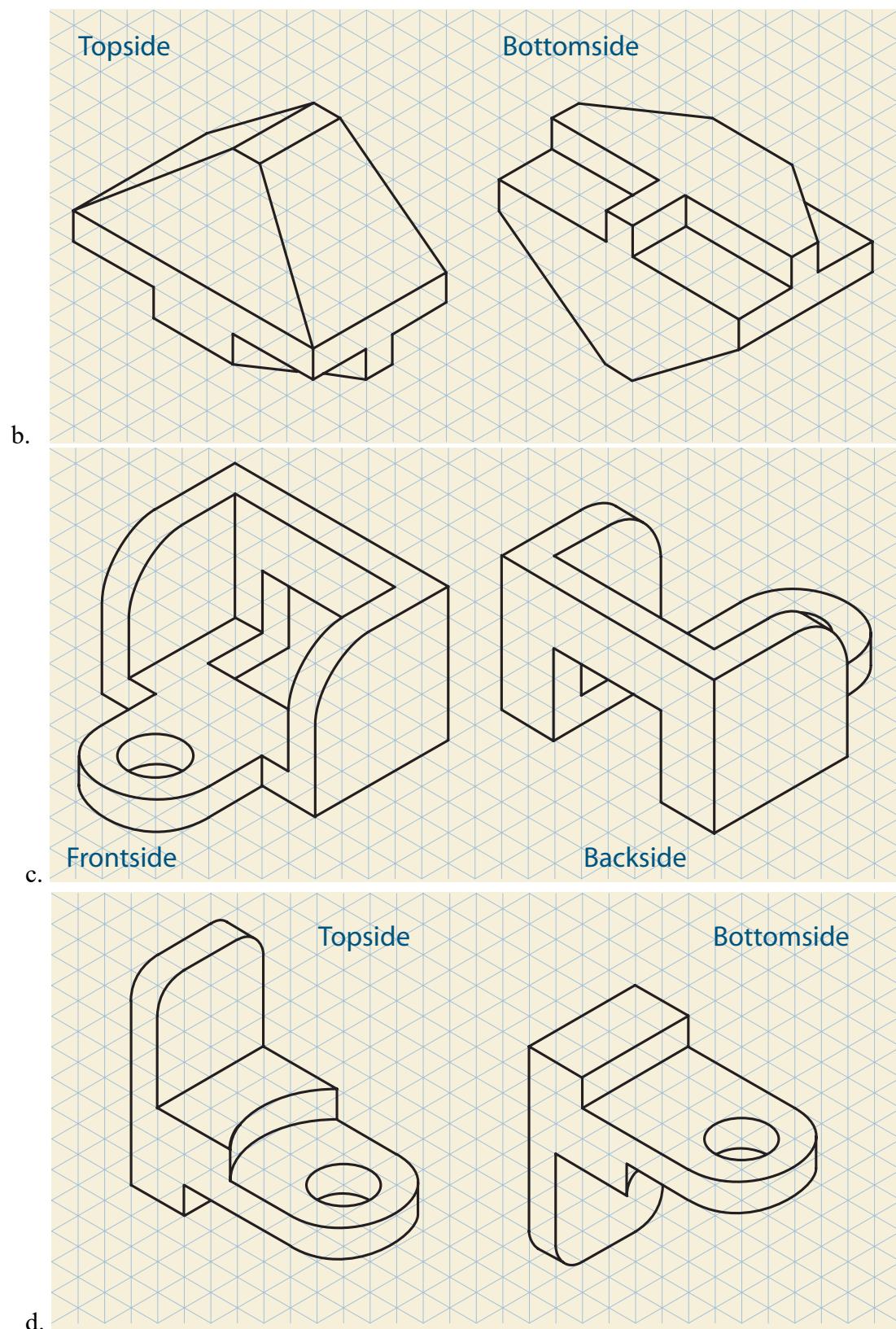
BATCH:

1. From the isometric views shown, create accurate multiview drawings with a sufficient number of views to specify all details of the object completely. Do not use hidden lines.

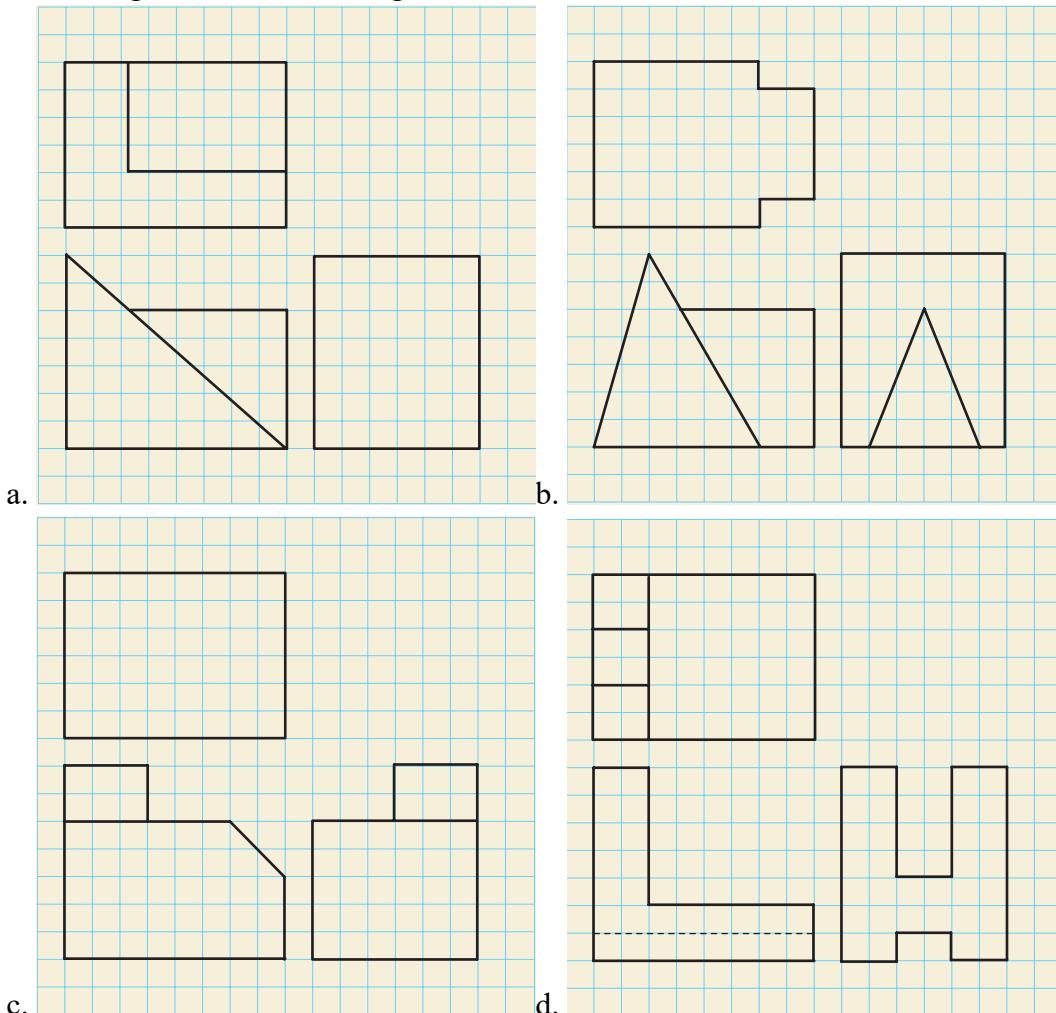


2. From the isometric views shown, create accurate multiview drawings in the preferred format of front, top and right-side views. Use hidden lines as necessary to specify all details of the object completely.

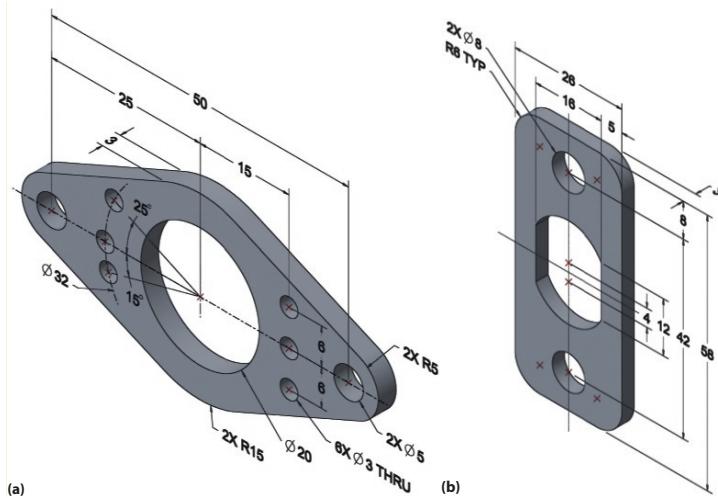


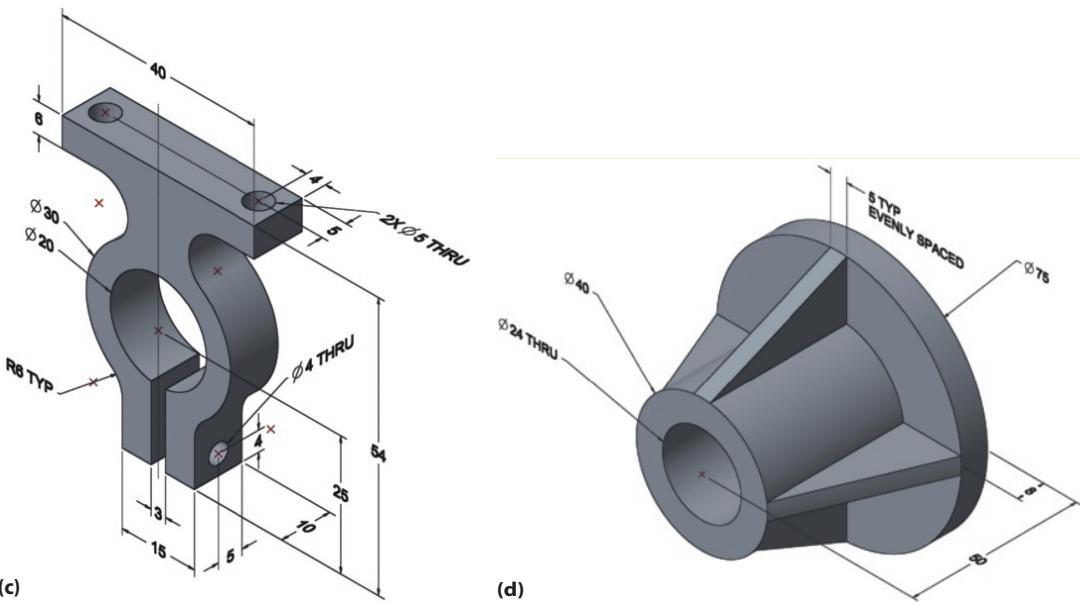


3. Each of the multiview drawings shown below may have visible or hidden lines missing. Add the missing lines to the drawing.

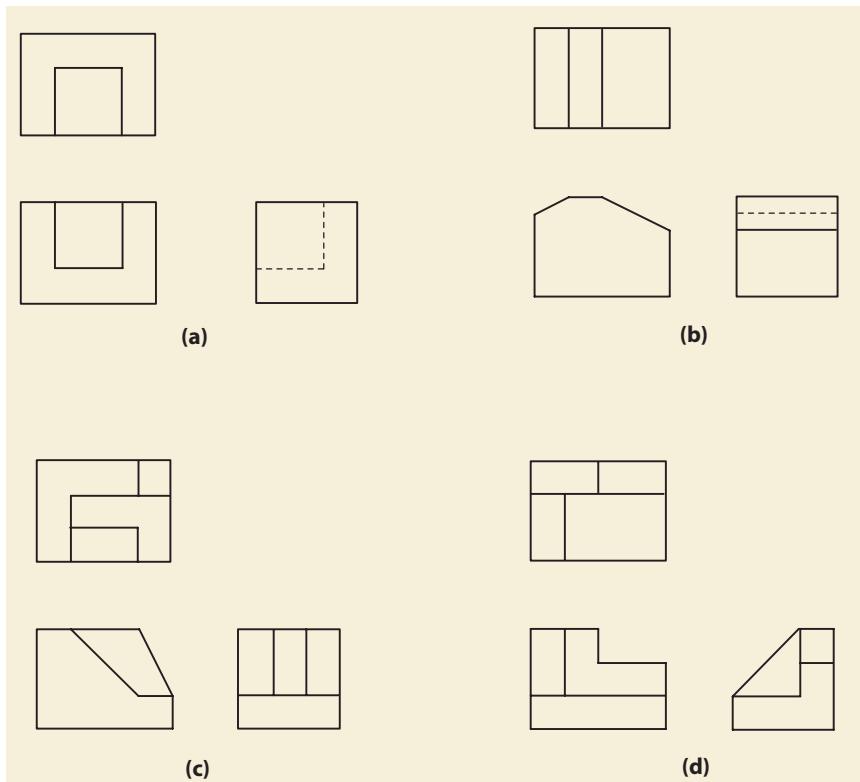


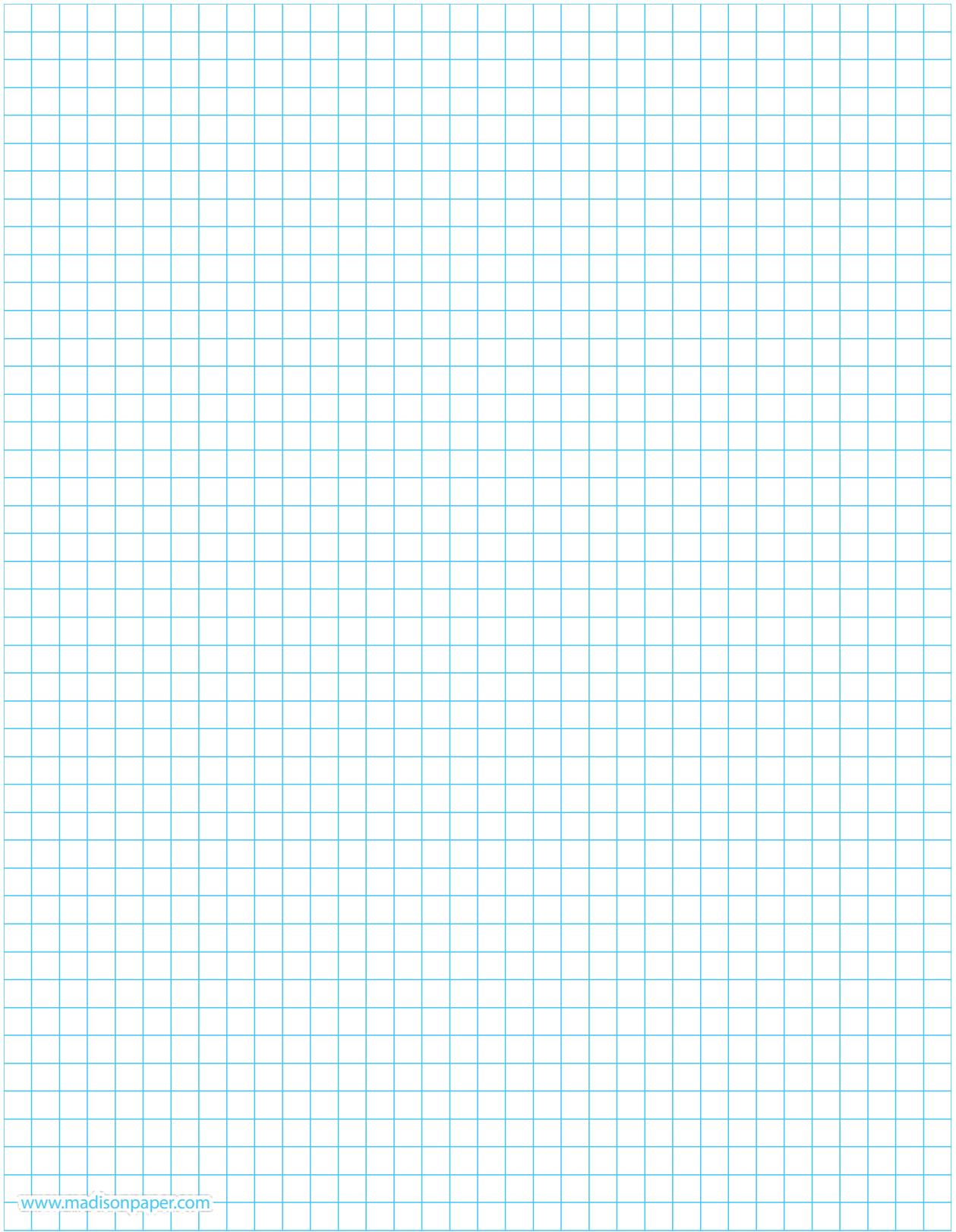
4. Create correctly scaled multiview orthogonal drawings of the objects shown below. Show at least the front, top and right-side views. Include hidden lines. Recommend when additional views would be useful to clarify the presentation.



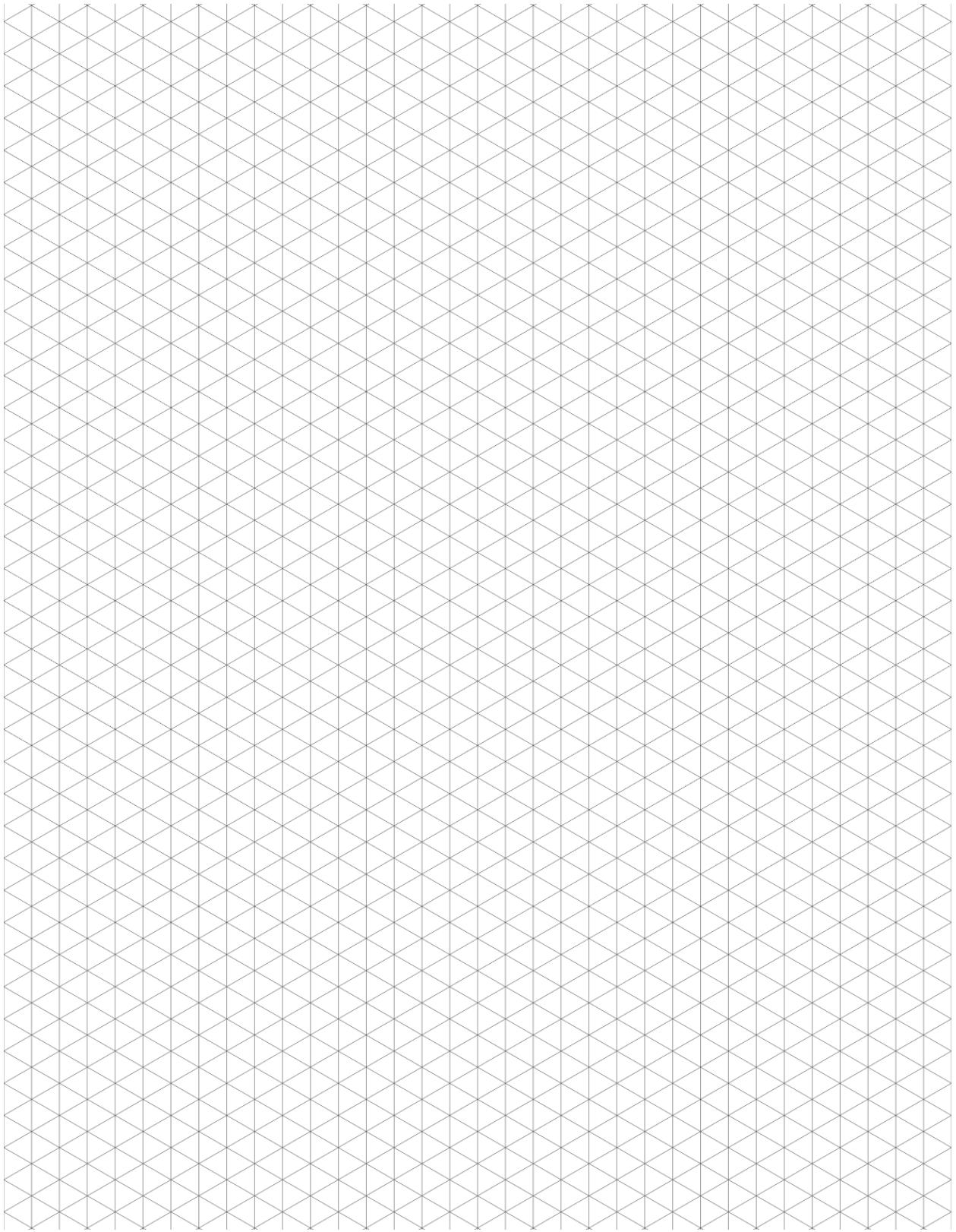


5. Front, top and right-side views of some objects are shown below. Create an isometric representation of each object that is represented.

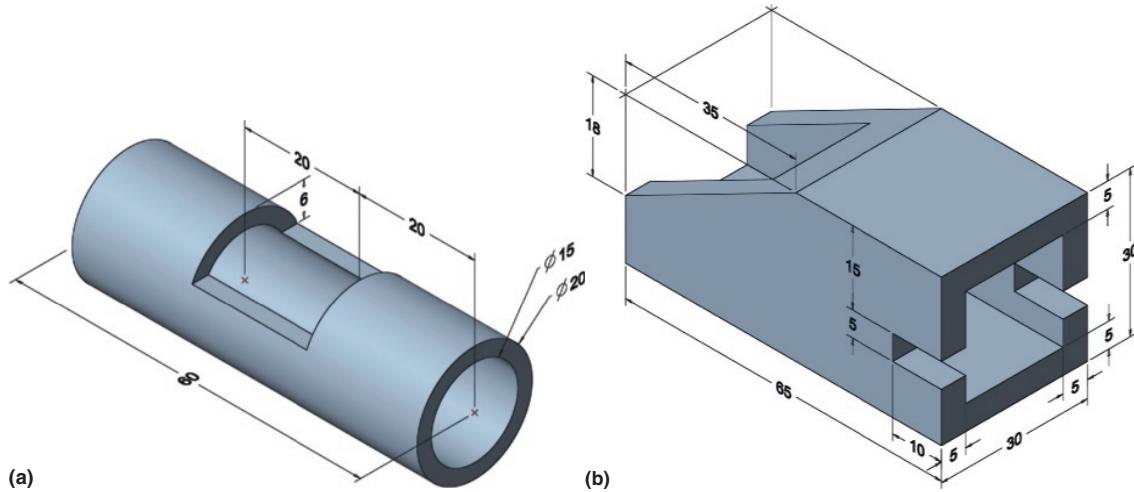




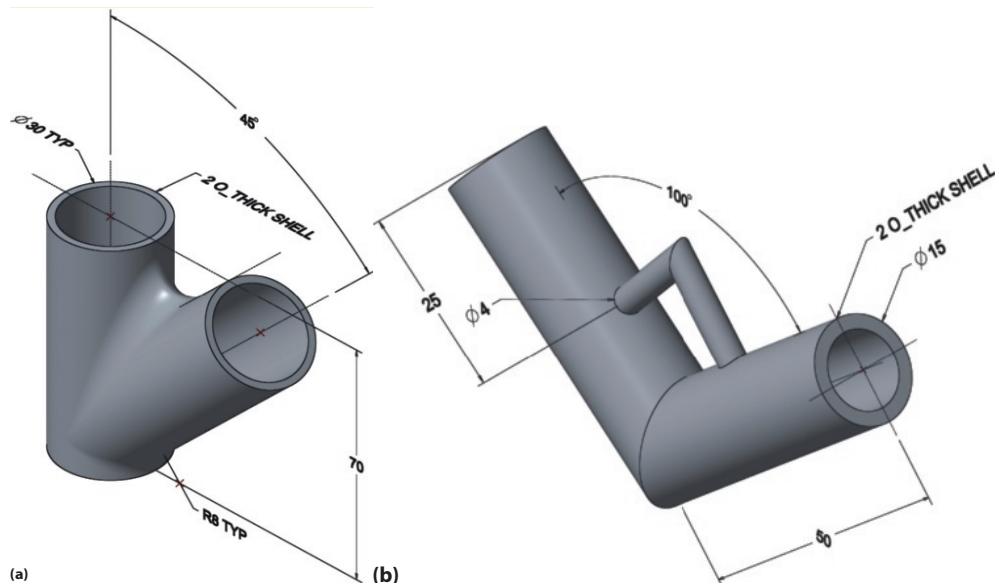
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6. For each object represented below, create the top, front and right-side views. Are these views sufficient for describing the object? Justify your answer, and suggest possible solutions to provide additional information, if needed.

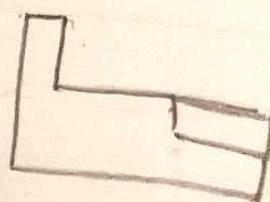
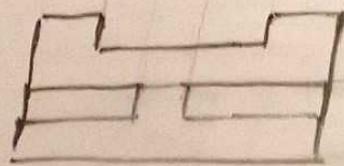
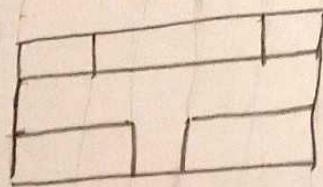


7. For each of the pictorials shown below, create the top, front and right-side views. Are these views sufficient for describing the object? Justify your answer, and suggest possible solutions to provide additional information, if needed.

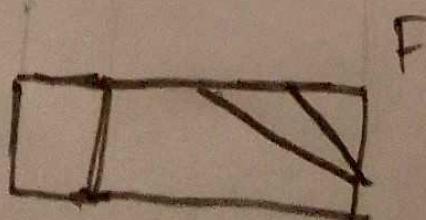
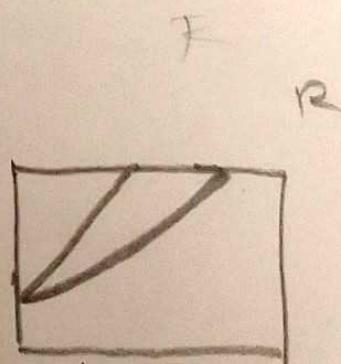
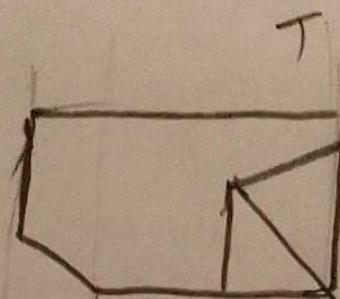


1>

a)

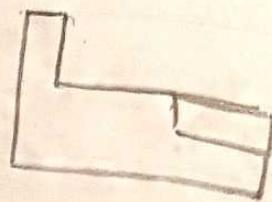
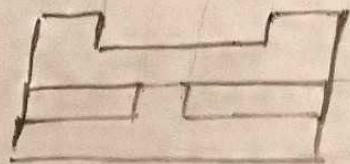
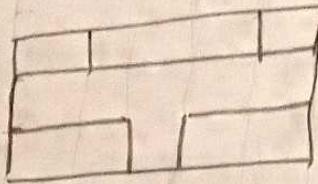


b)

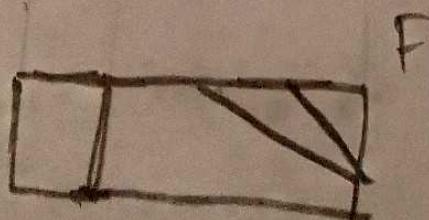
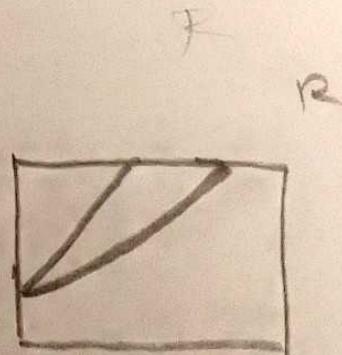
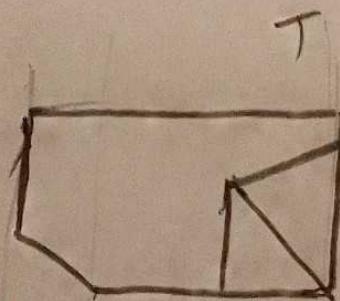


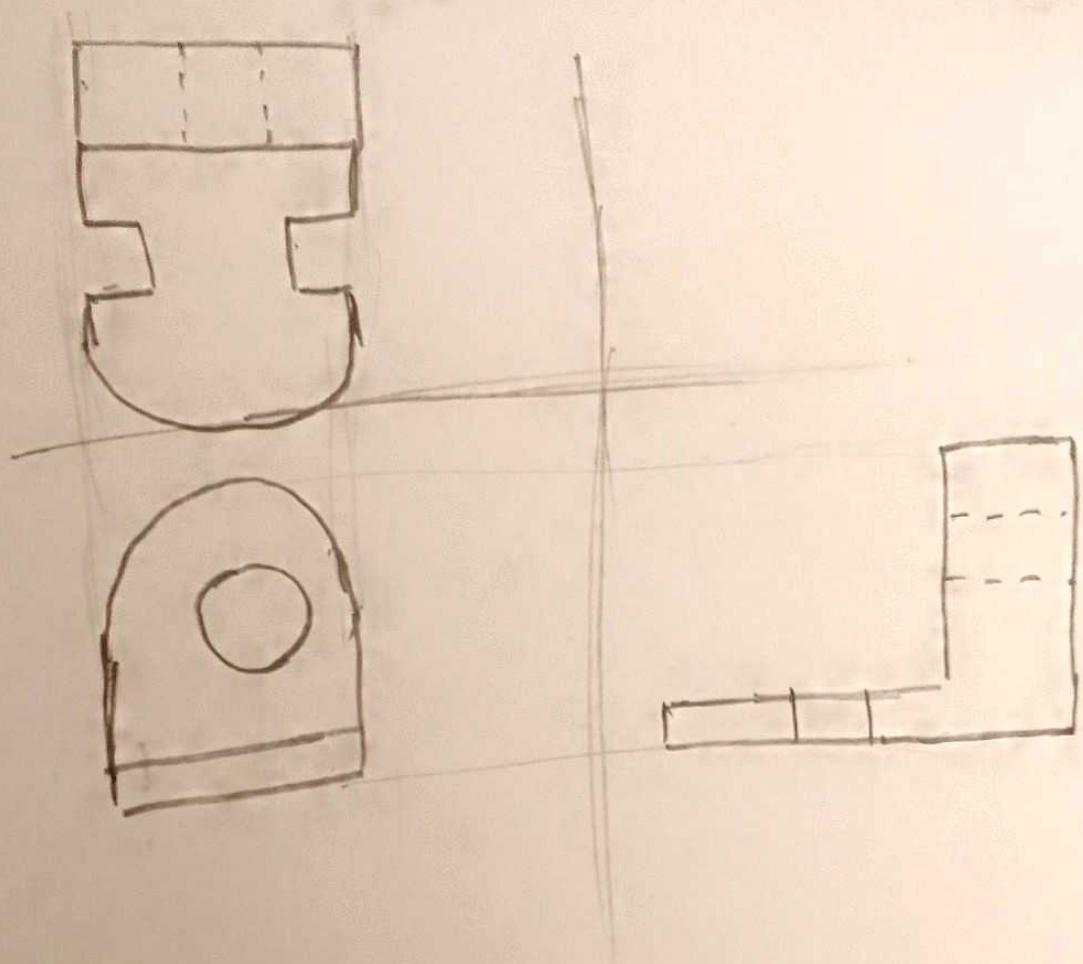
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a)



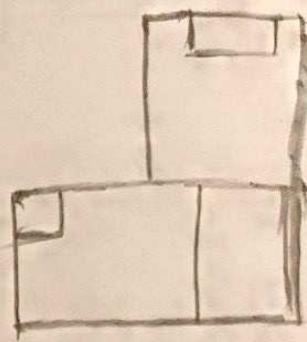
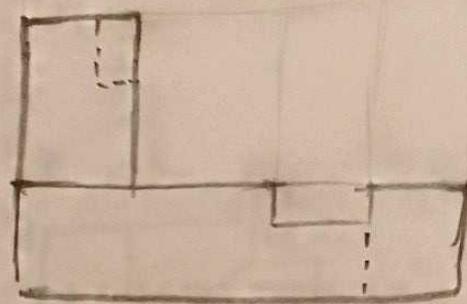
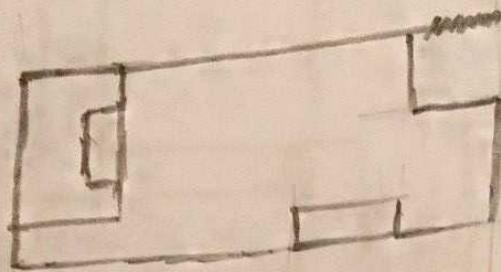
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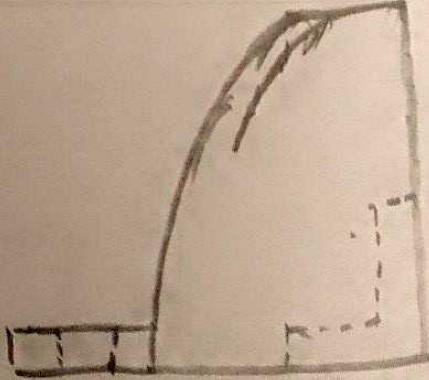
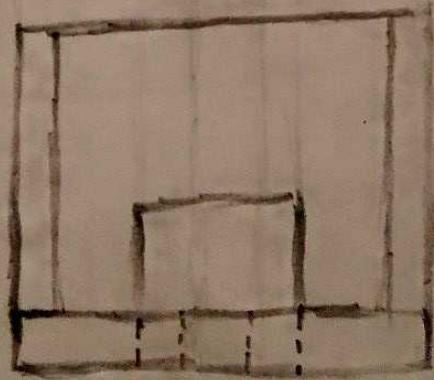
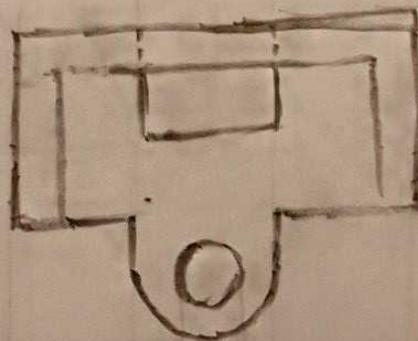


2)

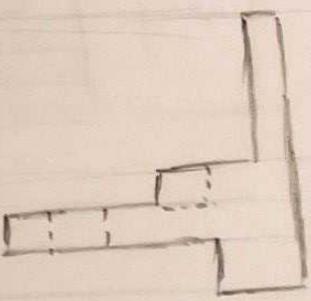
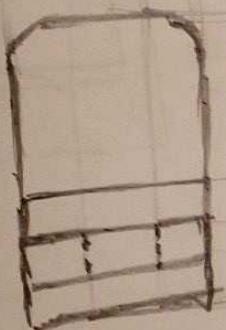
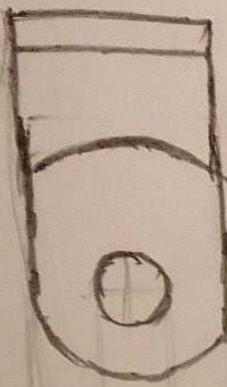
a)



b)

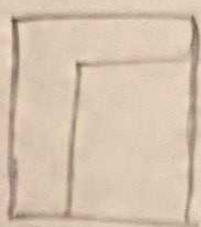
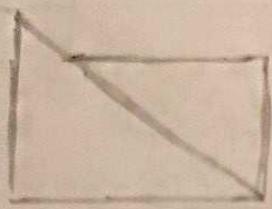
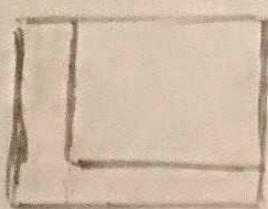


c7

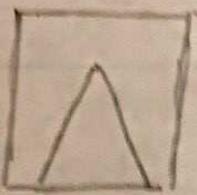
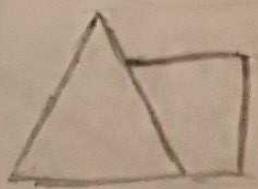
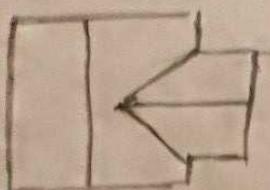


3)

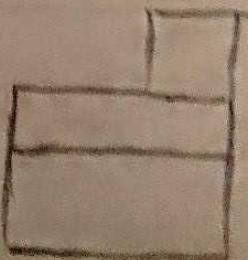
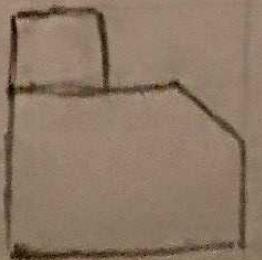
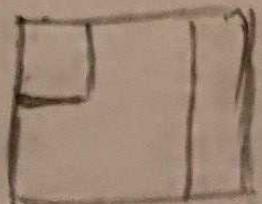
a)



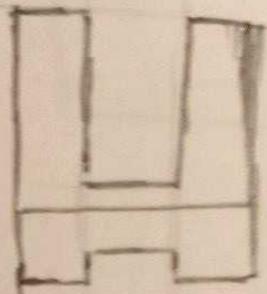
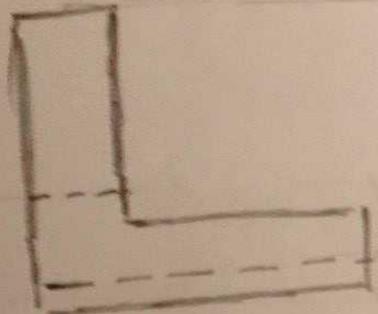
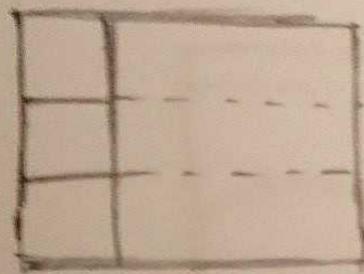
b)



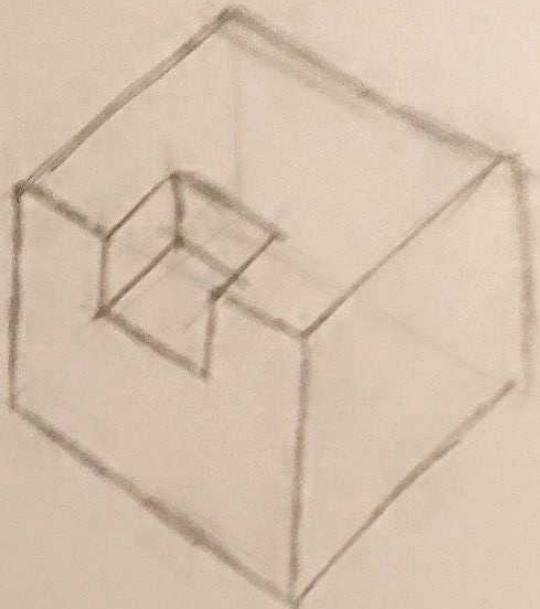
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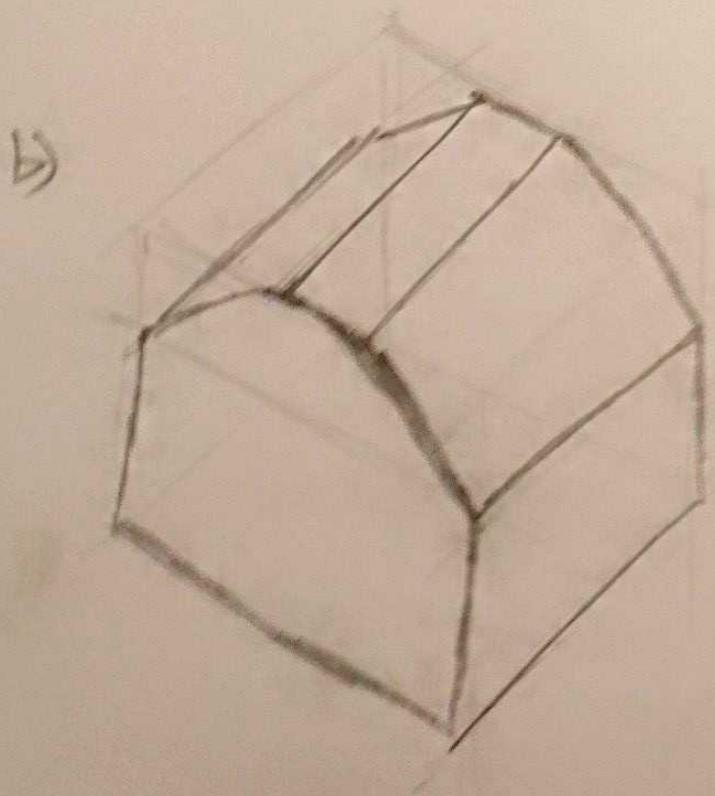
2



5

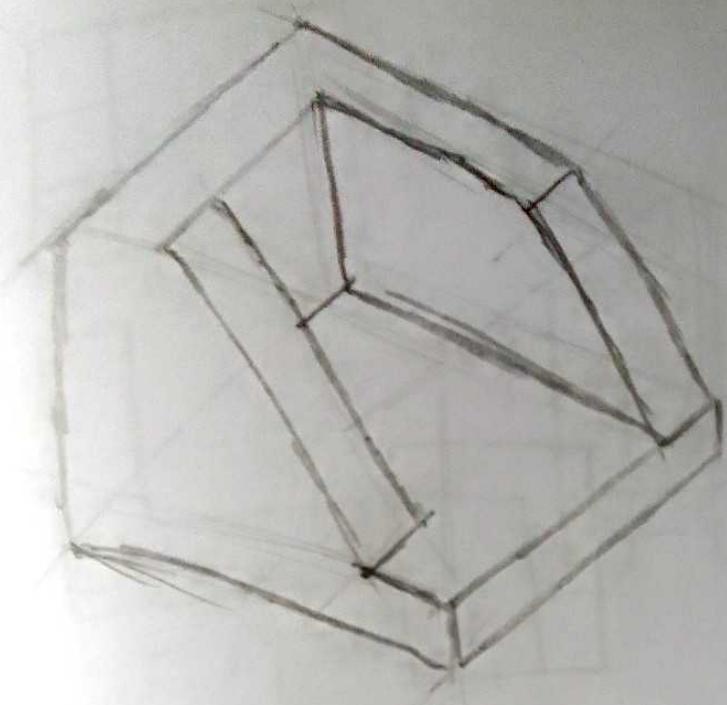


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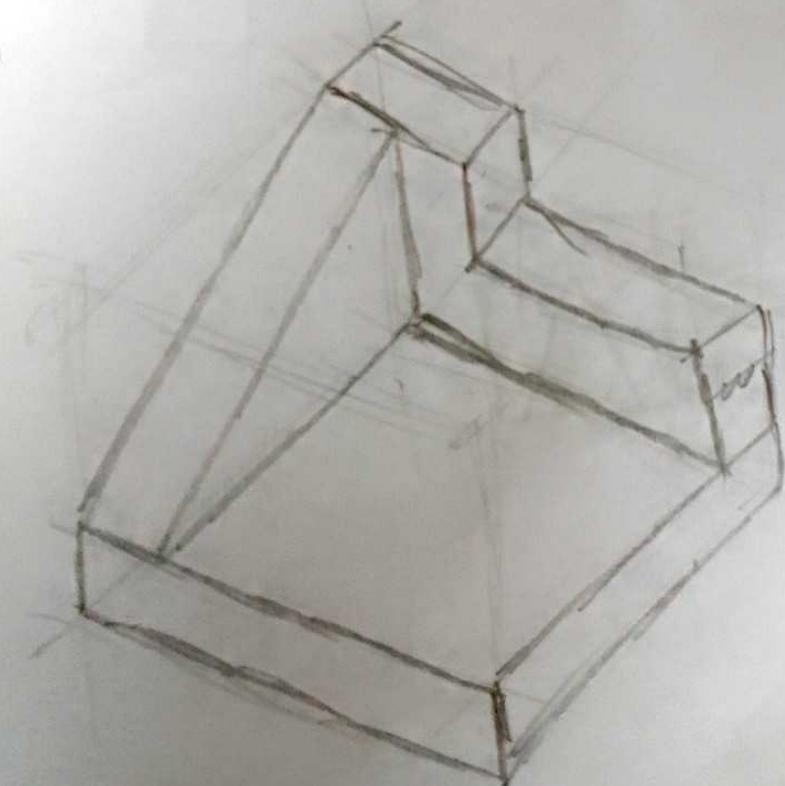


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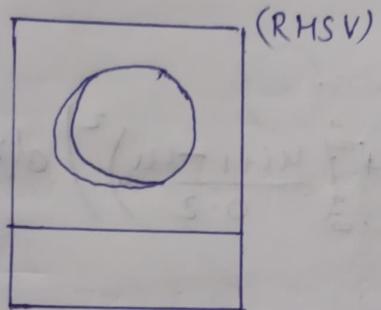
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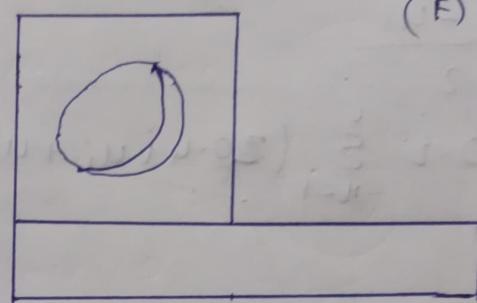
d>



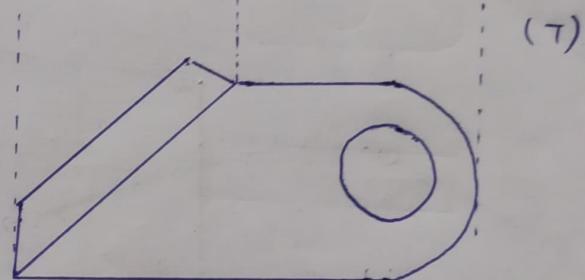
Q 1.c.



(RHSV)

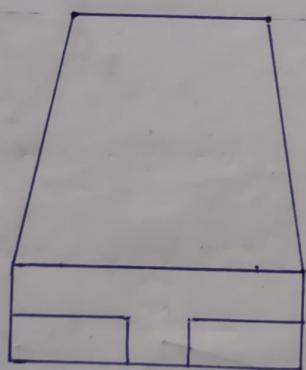


(F)

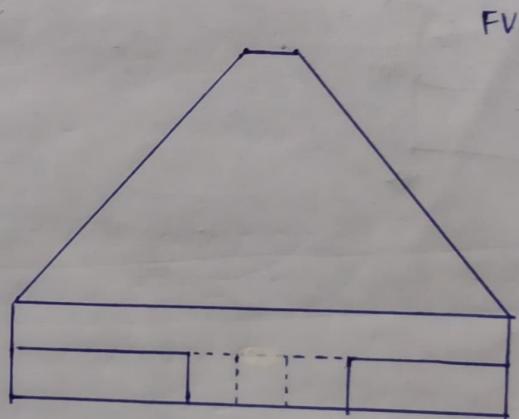


(T)

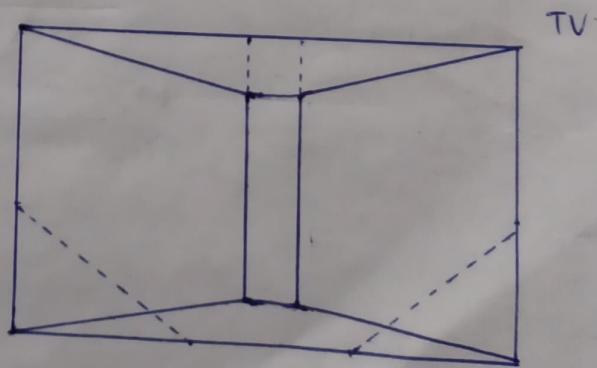
Q. 2 b.



RHSV

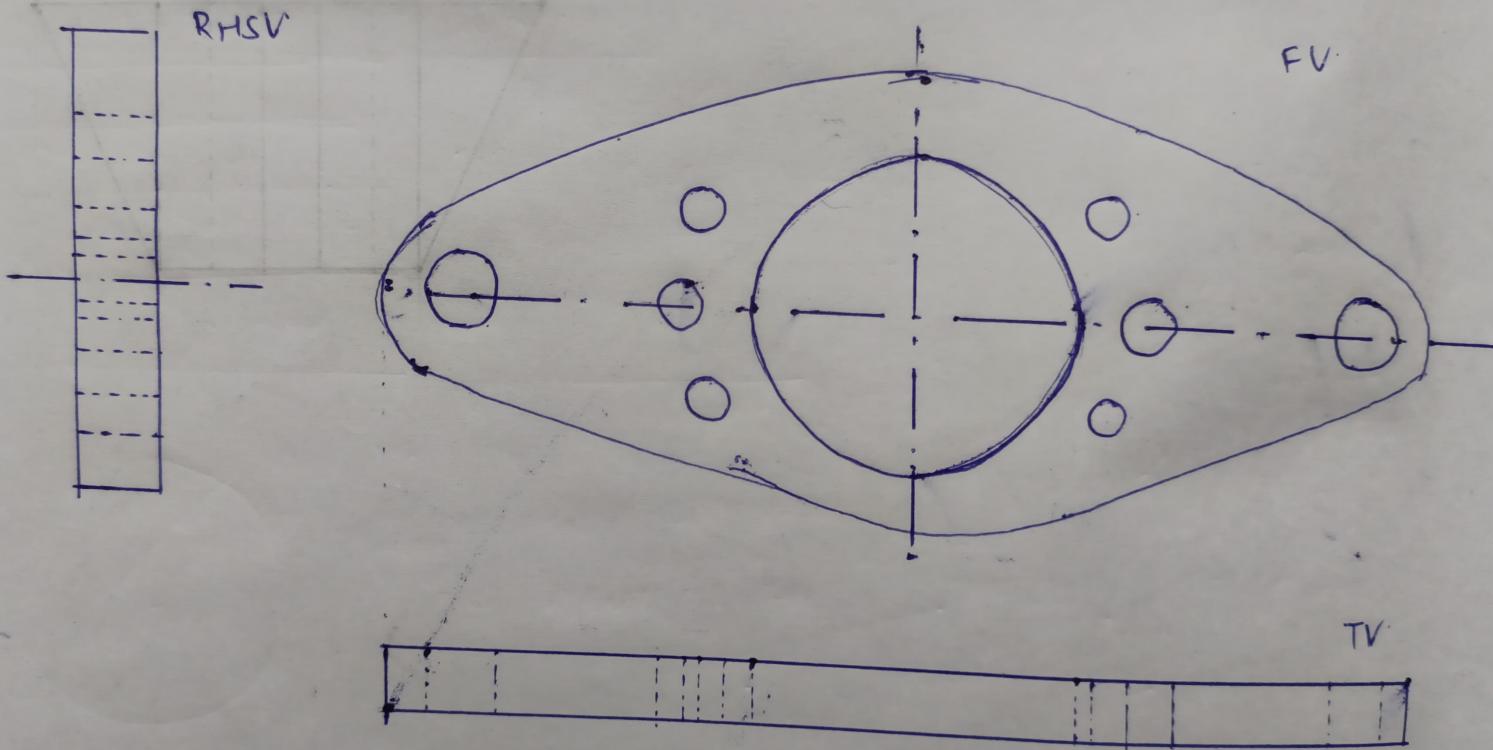


FV

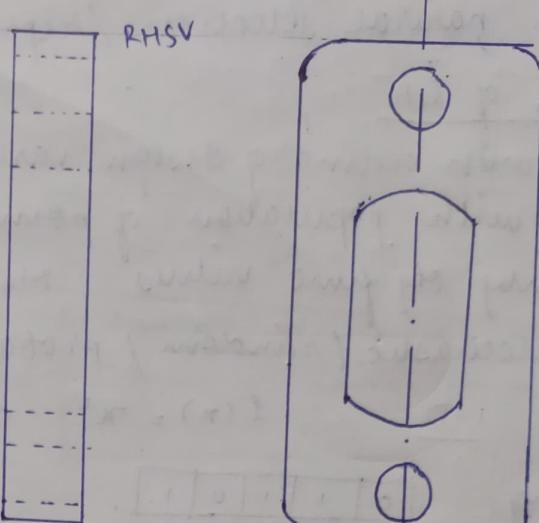


TV

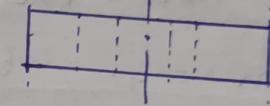
Q.4.a.



b).

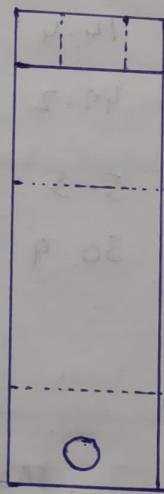
 $E_1 = 100 + 8$

$$18 = 3x_1 + 5x_1 + 2x_1 + 5x_1$$

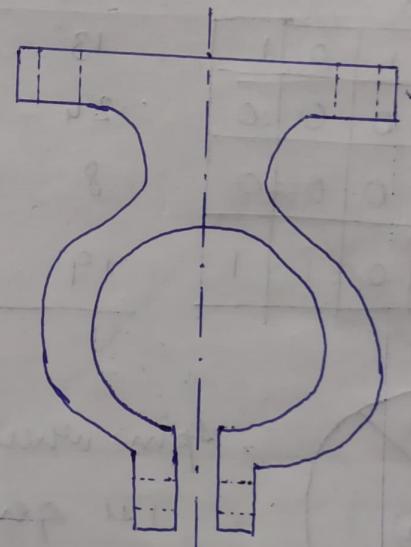


TR

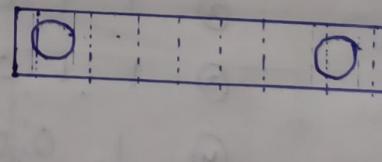
c).



RHSV



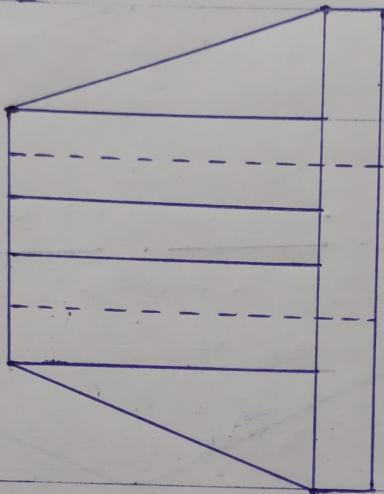
FV



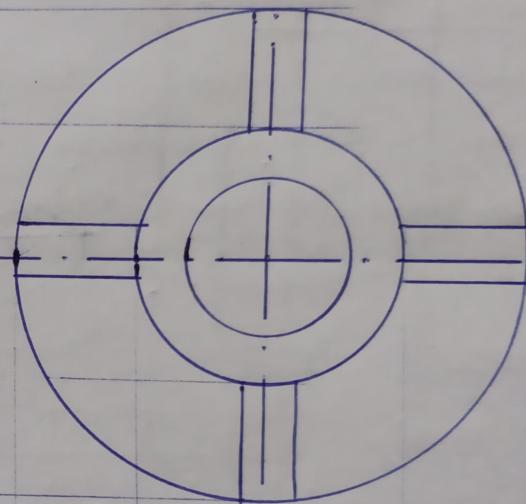
TV

Q.4 d.

RHSV



FV



TV

