Name _____ Date_____

Visualization
Chapter 14

Complete and Incomplete Views

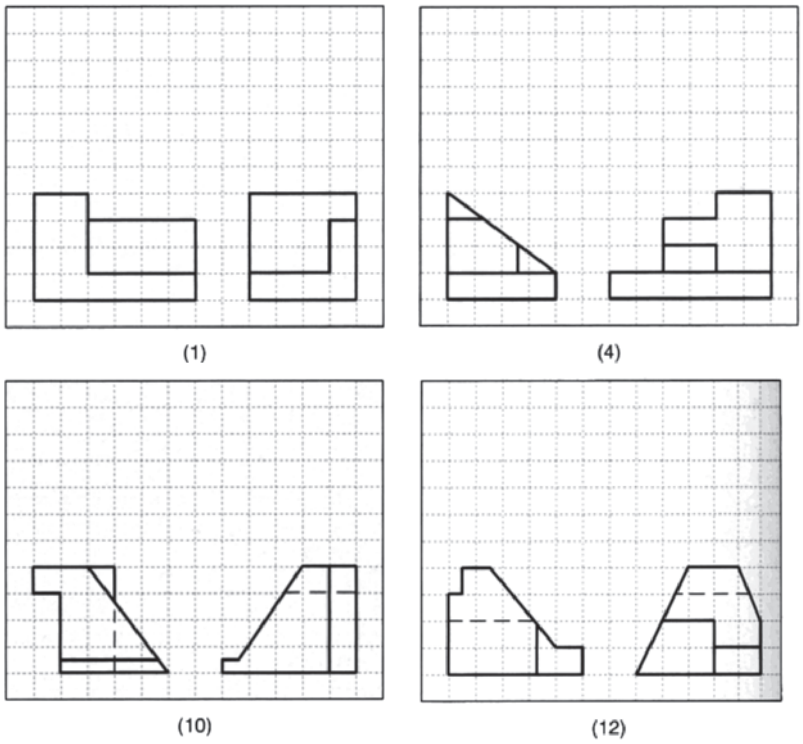
Complete and Incomplete Views

Many people work together on an engineering team. One thing they have in common is that they create technical drawings, read and interpret those drawings, or do both as part of their job. Having those drawings be technically correct in all aspects, lines and line types, dimensions, and hatch patterns in section views is extremely important in order to accurately portray the object being described.

Problems may occur if a line or a dimension is incorrect or missing, the wrong material is specified, or any other error is made in the drawing. If no one notices before production, problems may occur that are not only expensive to fix but could also have devastating or even deadly consequences. It is very important for everyone working with technical drawings to be able to read and understand the drawings, notice if something is wrong, and correct any errors before production begins.

It takes practice to be able to visualize a complete three-dimensional object from a two-dimensional drawing and notice any errors. In these exercises, you will be required to complete a third view from two complete orthographic views or add lines that are missing from incomplete orthographic views.

Exercise 1 In each of the exercises below, two views are given. Print out the page with the given views and sketch the missing view.



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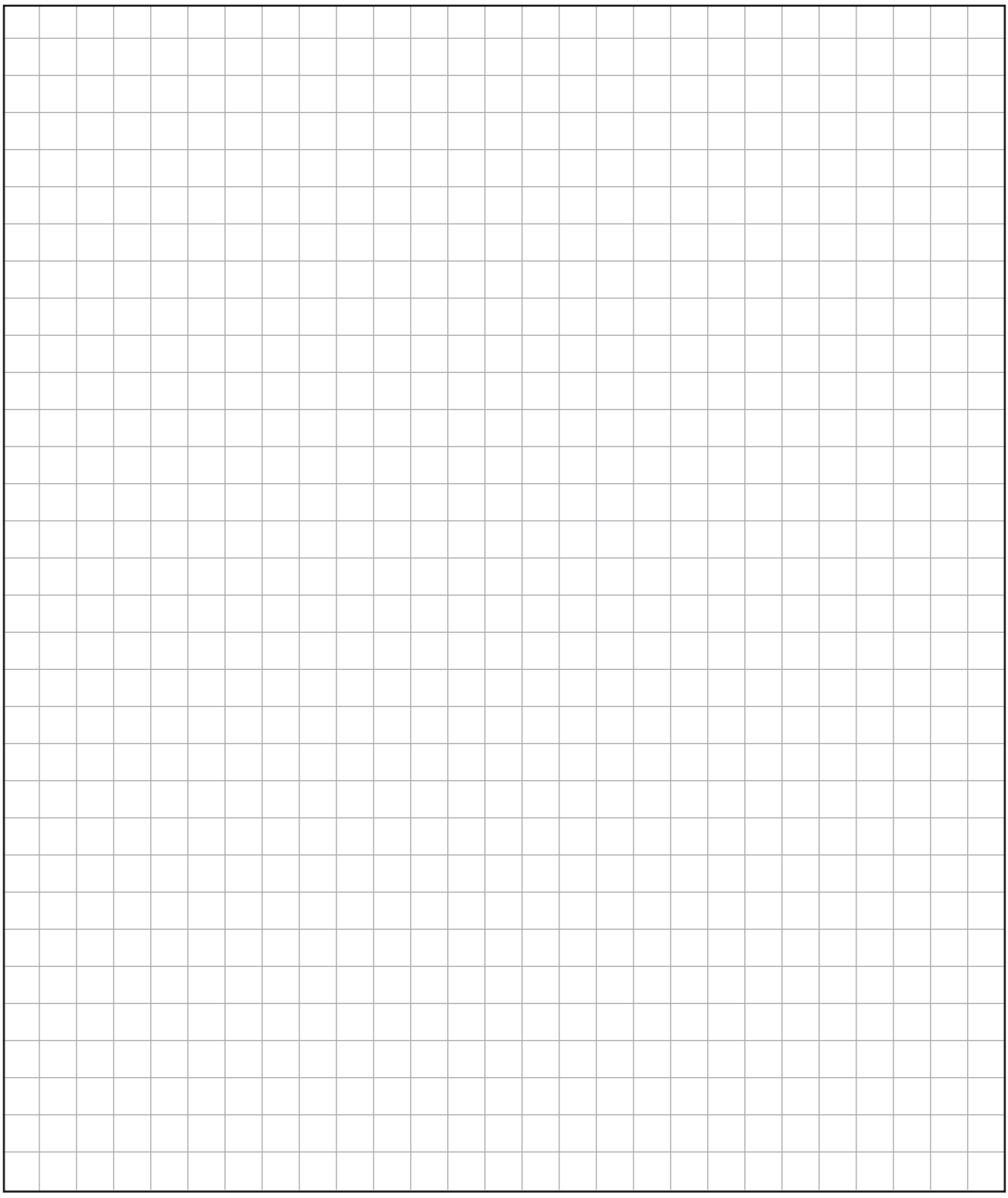
Visualization
Chapter 14

Complete and Incomplete Views



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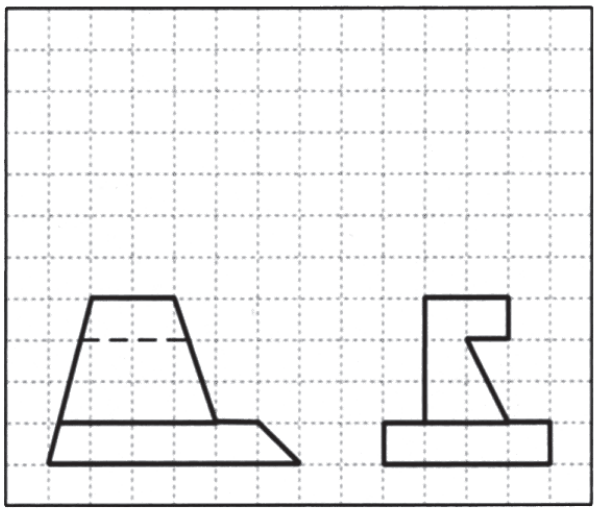
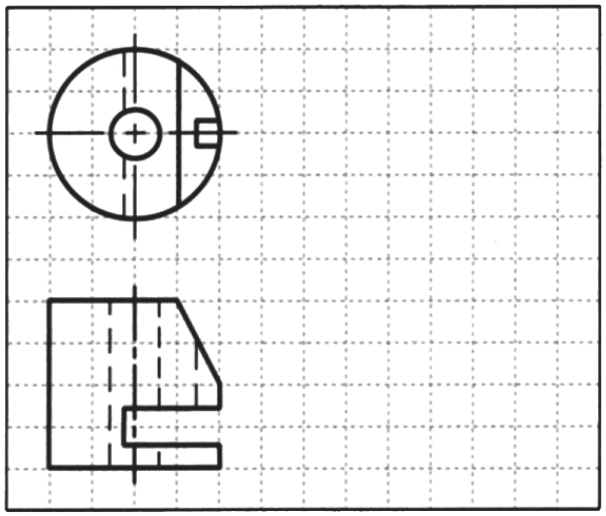
Visualization Chapter 14

Complete and Incomplete Views

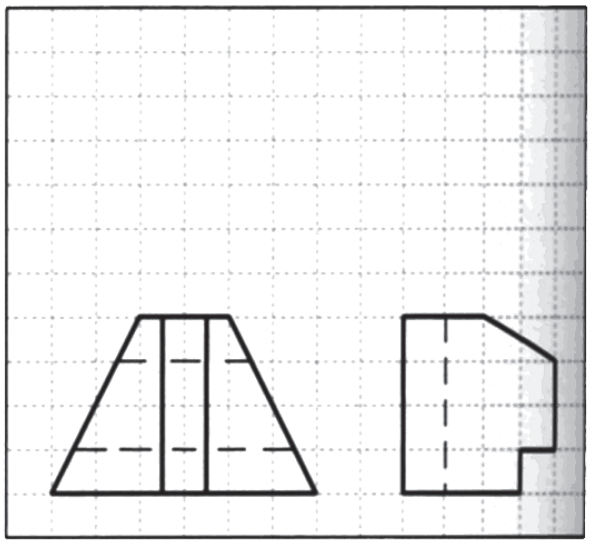
Exercise 2 In each of the exercises below, two views are given. Print out the page with the given views and sketch the missing view.



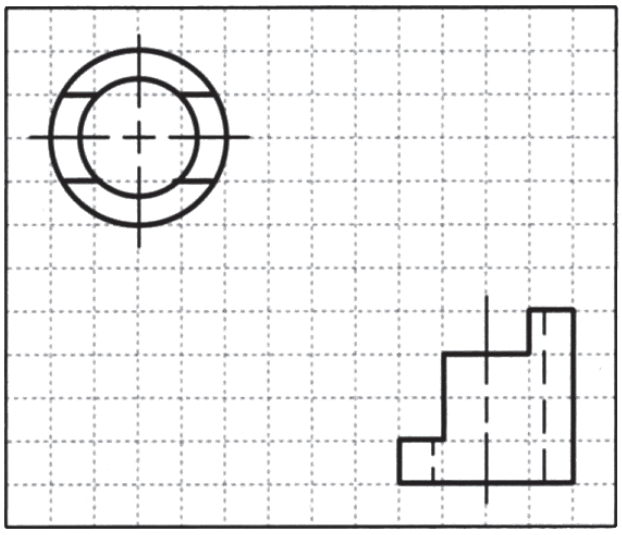
(26)



(28)



(33)



(35)

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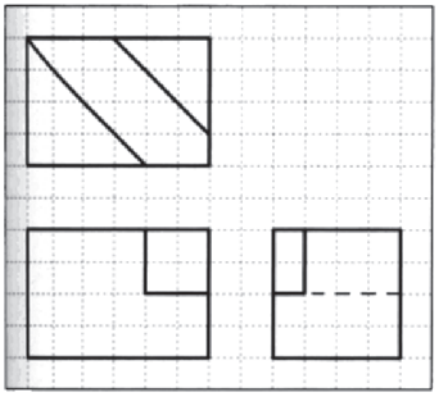
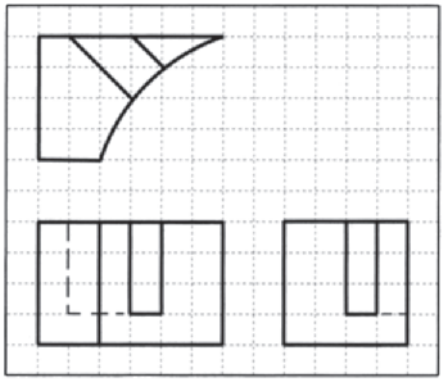
Visualization Chapter 14

Complete and Incomplete Views

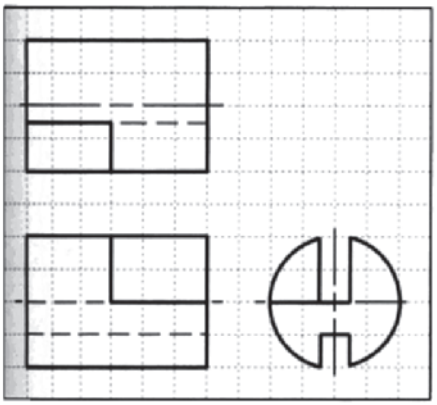
Exercise 3 For the exercises below, the views you are given are incomplete. Print out the page with the given views and sketch in the missing line or lines. (There may be more than one missing line.)



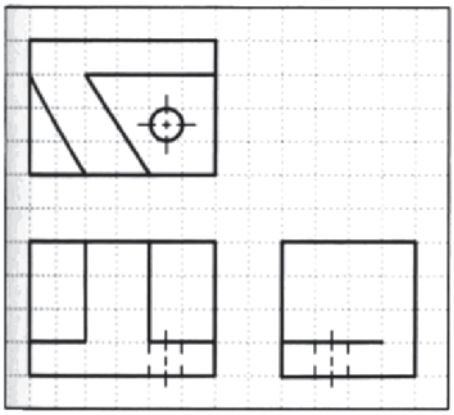
(1)



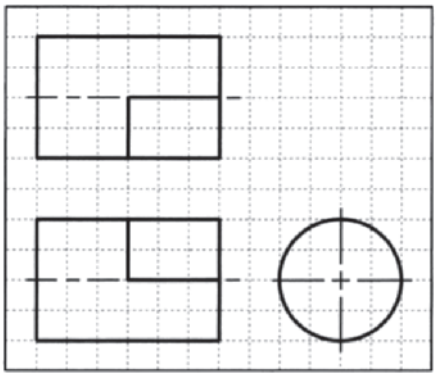
(2)



(4)



(7)



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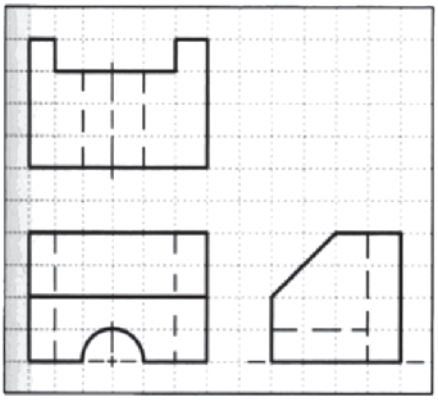

(10)

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