

Exercise 1

Find the missing plan views on the page opposite.

1

Plan?



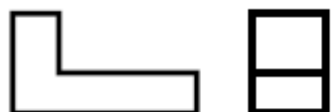
2

Plan?



3

Plan?



4

Plan?



5

Plan?



6

Plan?



Exercise 1

Solutions

A



B



C



D



E



F



G



H



J



K



L









M




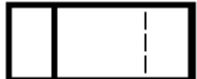
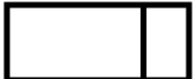

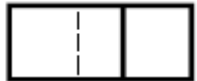







Exercise 2

Find the missing plan views on the page opposite.

<p>1</p> <p style="text-align: center;">Plan?</p> 	<p>2</p> <p style="text-align: center;">Plan?</p> 
<p>3</p> <p style="text-align: center;">Plan?</p> 	<p>4</p> <p style="text-align: center;">Plan?</p> 
<p>5</p> <p style="text-align: center;">Plan?</p> 	<p>6</p> <p style="text-align: center;">Plan?</p> 

Exercise 2

Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 

Exercise 3

Find the missing plan views on the page opposite.

1

Plan?



2

Plan?



3

Plan?



4

Plan?



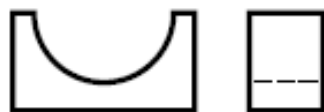
5

Plan?



6

Plan?



Exercise 3

Solutions

A



B



C



D



E



F



G



H



J



K



L



M



Exercise 4

Find the missing plan views on the page opposite.

1

Plan?



2

Plan?



3

Plan?



4

Plan?



5

Plan?



6

Plan?



Exercise 4 Solutions

A



B



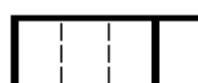
C



D



E



F



G



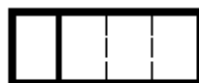
H



J



K



L



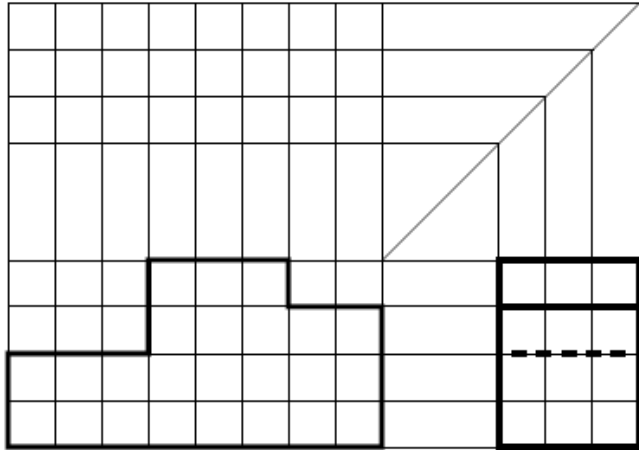
M



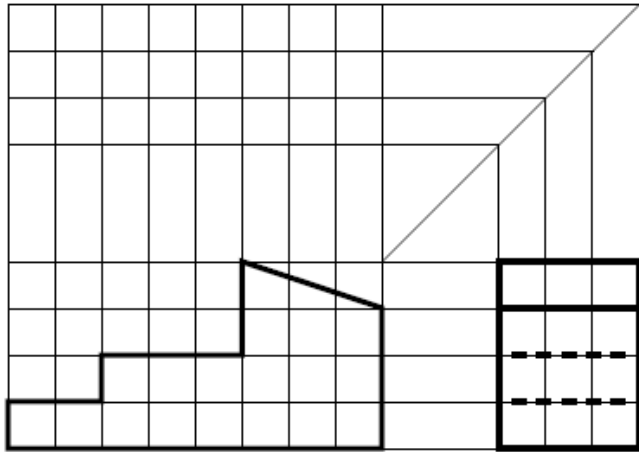
Exercise 5(a)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

1



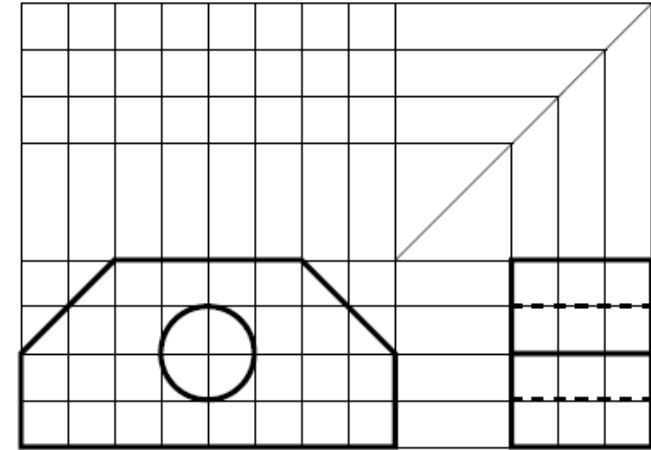
2



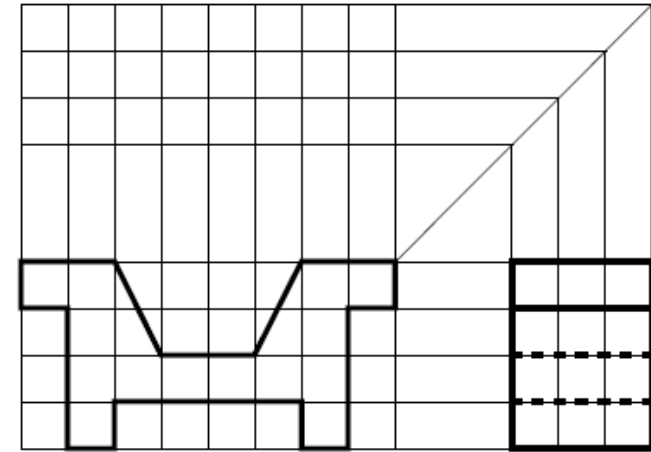
Exercise 5(b)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

3



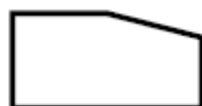
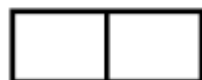
4



Exercise 6

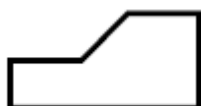
Find the missing end elevations on the page opposite.

1



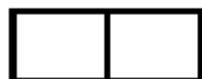
?

2



?

3



?

4



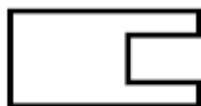
?

5



?

6



?

Exercise 6

Solutions

A



B



C



D



E



F



G



H



J



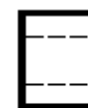
K



L



M



Exercise 7

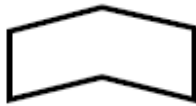
Find the missing end elevations on the page opposite.

1



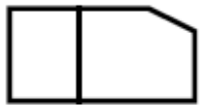
?

2



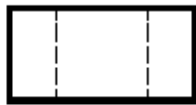
?

3



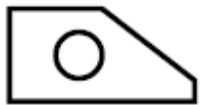
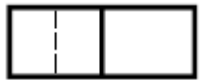
?

4



?

5



?

6



?

Exercise 7

Solutions

A



B



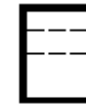
C



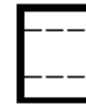
D



E



F



G



H



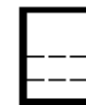
J



K



L



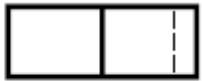
M



Exercise 8

Find the missing end elevations on the page opposite.

1



?

2



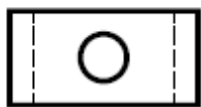
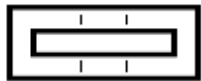
?

3



?

4



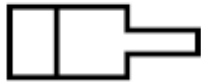
?

5



?

6



?

Exercise 8

Solutions

A



B



C



D



E



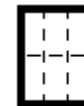
F



G



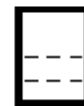
H



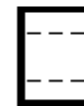
J



K



L



M



Exercise 9

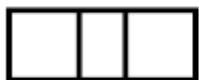
Find the missing end elevations on the page opposite.

1



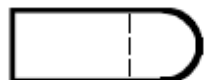
?

2



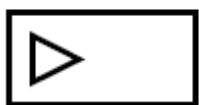
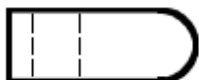
?

3



?

4



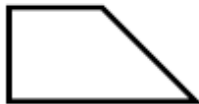
?

5



?

6



?

Exercise 9

Solutions

A



B



C



D



E



F



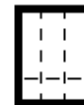
G



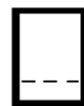
H



J



K



L



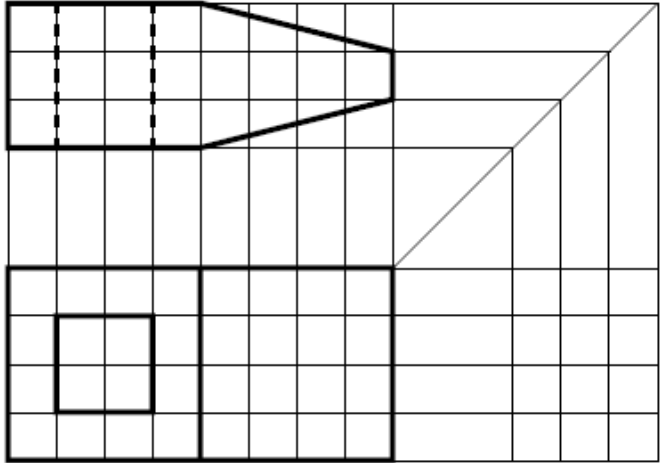
M



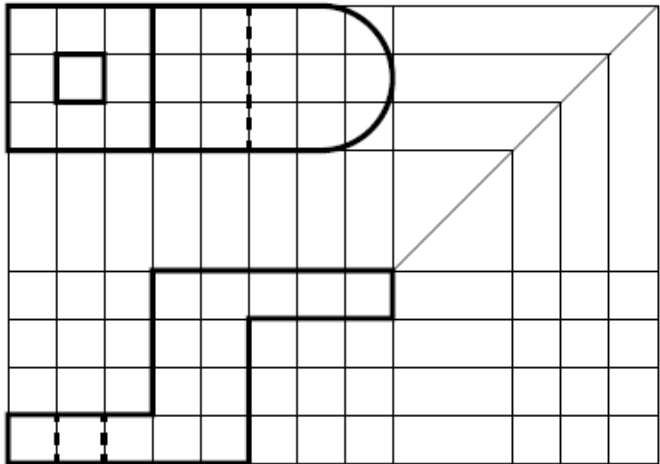
Exercise 10 (a)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

1



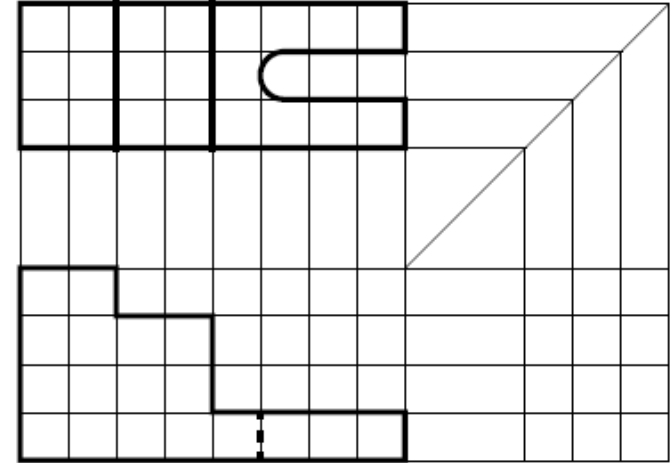
2



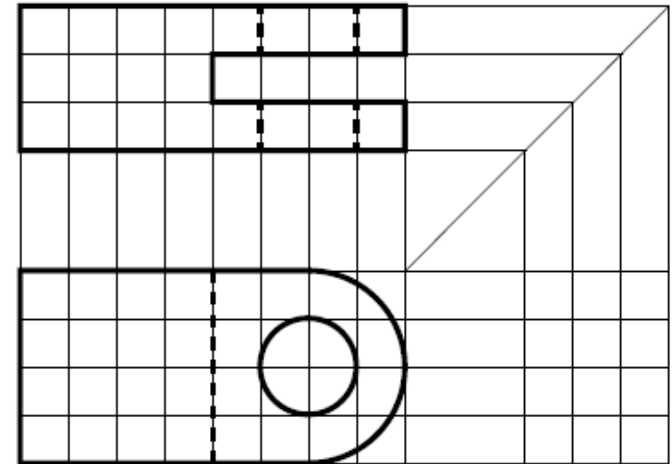
Exercise 10 (b)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

3















4



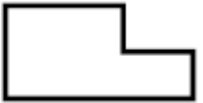
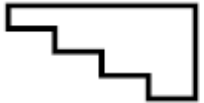
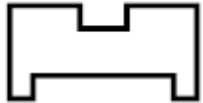

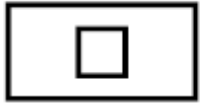

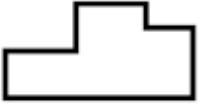
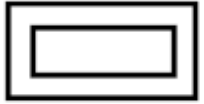




Exercise 11

Find the missing elevations on the page opposite.

<p>1</p>  <p>?</p> 	<p>2</p>  <p>?</p> 
<p>3</p>  <p>?</p> 	<p>4</p>  <p>?</p> 
<p>5</p>  <p>?</p> 	<p>6</p>  <p>?</p> 

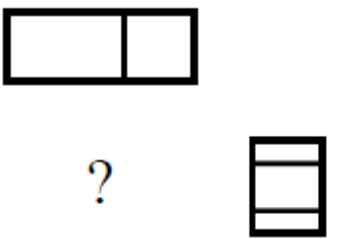
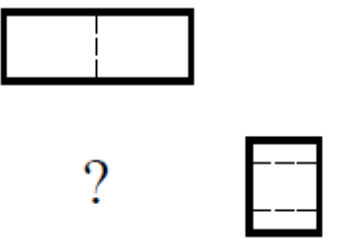
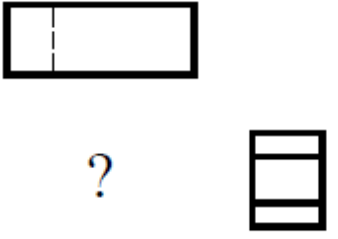
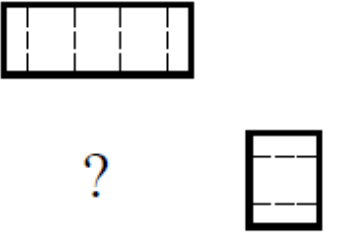
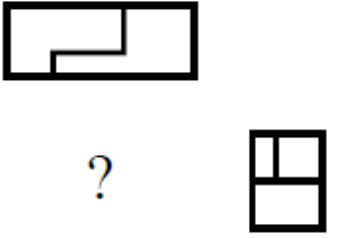
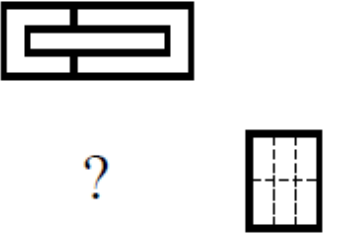
Exercise 11

Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 

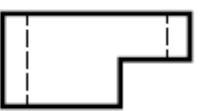
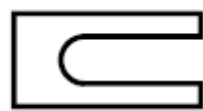
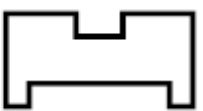



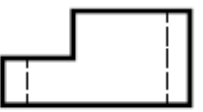
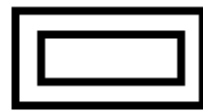
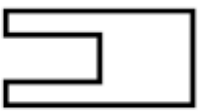

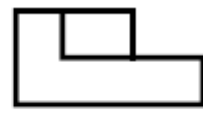
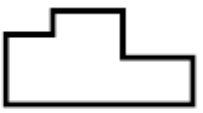
Exercise 12

Find the missing elevations on the page opposite.

<p>1</p> 	<p>2</p> 
<p>3</p> 	<p>4</p> 
<p>5</p> 	<p>6</p> 

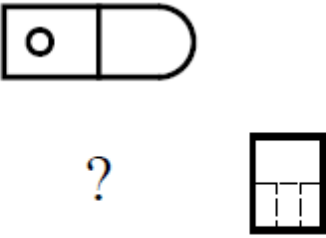
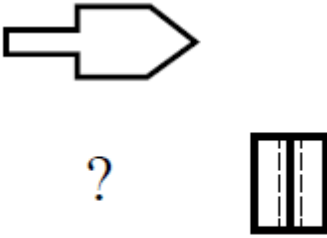
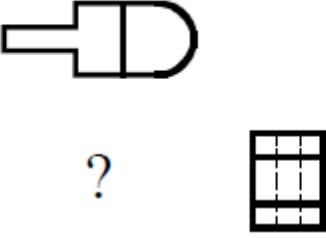
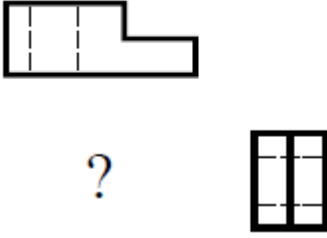
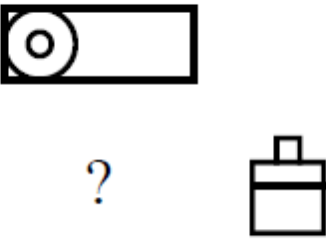
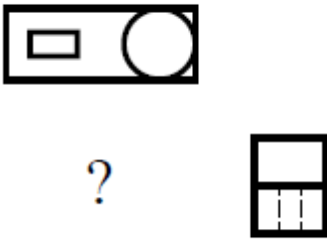
Exercise 12

Solutions

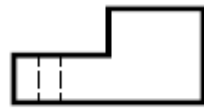
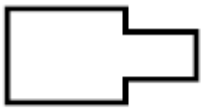
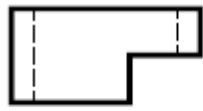
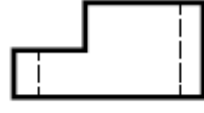
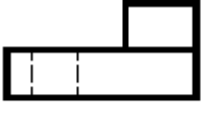
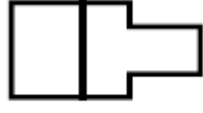

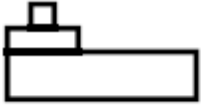

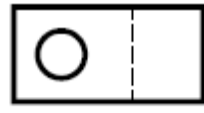
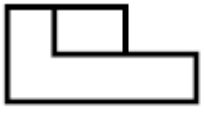
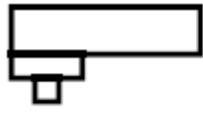
<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 

Exercise 13

Find the missing elevations on the page opposite.

<p>1</p> 	<p>2</p> 
<p>3</p> 	<p>4</p> 
<p>5</p> 	<p>6</p> 

Exercise 13 Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 

Exercise 14

Find the missing elevations on the page opposite.

1



?



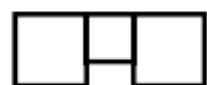
2



?



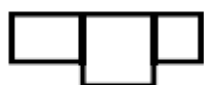
3



?



4



?



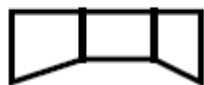
5



?



6



?



Exercise 14

Solutions

A



B



C



D



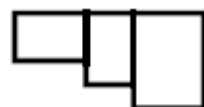
E



F



G



H



J



K



L



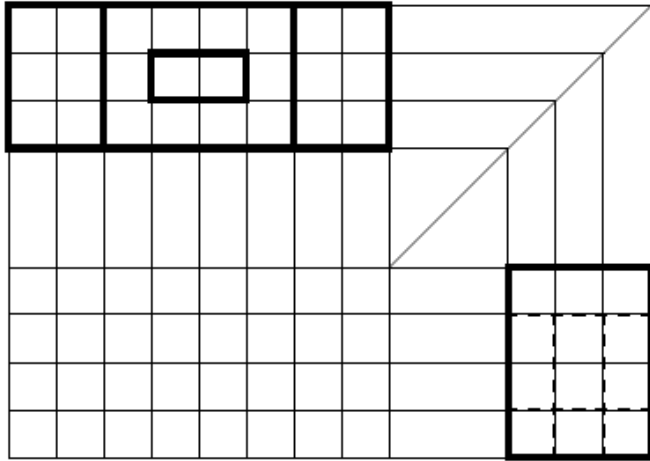
M



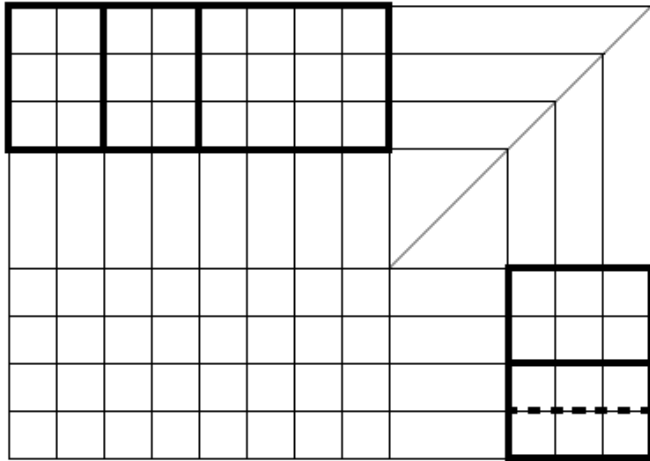
Exercise 15 (a)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

1



2

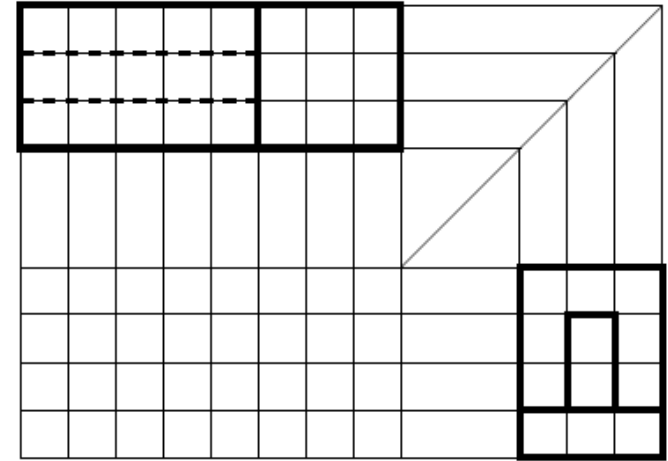


Note: There are no sloping surfaces in these drawings

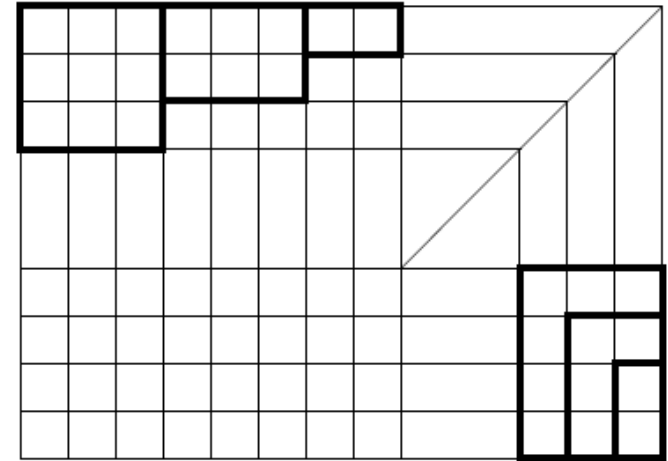
Exercise 15 (b)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

3








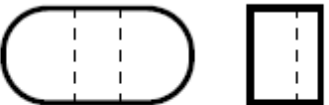
4



Note: There are no sloping surfaces in these drawings




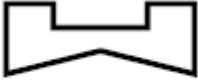



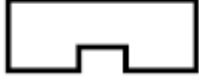
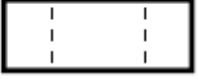

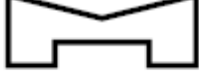

Exercise 16

Find the missing plan views on the page opposite.

<p>1</p> <p>?</p> 	<p>2</p> <p>?</p> 
<p>3</p> <p>?</p> 	<p>4</p> <p>?</p> 
<p>5</p> <p>?</p> 	<p>6</p> <p>?</p> 


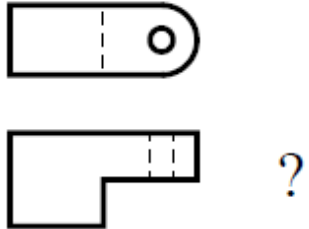
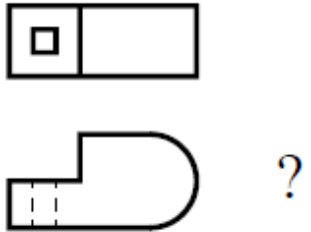
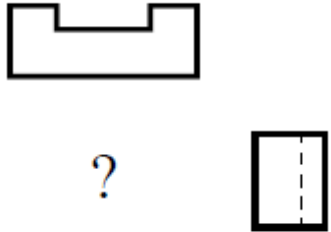

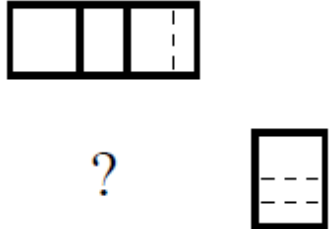
Exercise 16

Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 




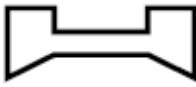
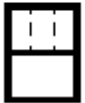




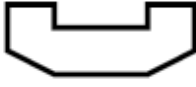


Exercise 17

Find the missing views on the page opposite.

<p>1</p> <p>?</p> 	<p>2</p> 
<p>3</p> 	<p>4</p> 
<p>5</p> <p>?</p> 	<p>6</p> 

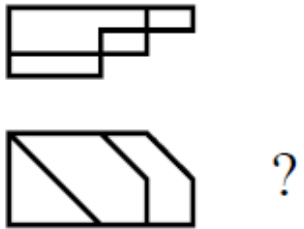
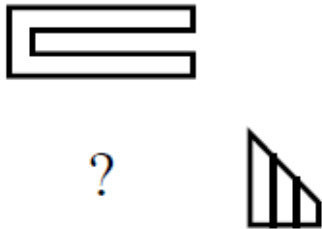
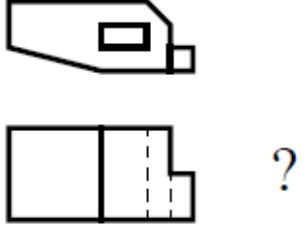
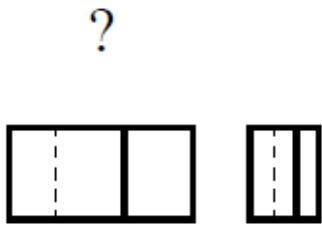
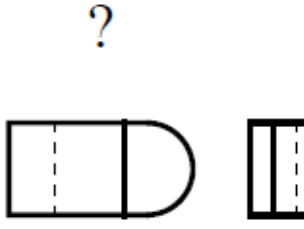
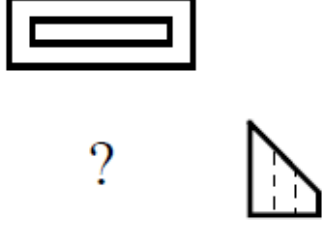
Exercise 17

Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 


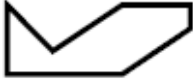
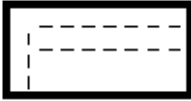
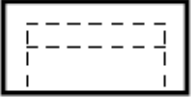

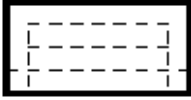


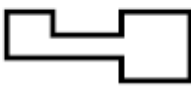

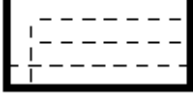

Exercise 18

Find the missing views on the page opposite.

<p>1</p> 	<p>2</p> 
<p>3</p> 	<p>4</p> 
<p>5</p> 	<p>6</p> 

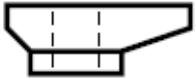









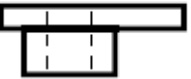
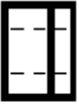
Exercise 18

Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 

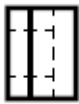
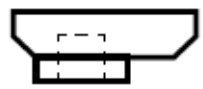

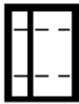



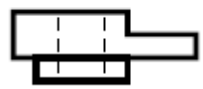
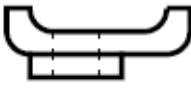
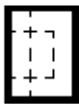


Exercise 19

Find the missing views on the page opposite.

<p>1</p>  <p>?</p> 	<p>2</p> <p>?</p>  
<p>3</p>   <p>?</p>	<p>4</p>   <p>?</p>
<p>5</p> <p>?</p>  	<p>6</p>  <p>?</p> 

Exercise 19

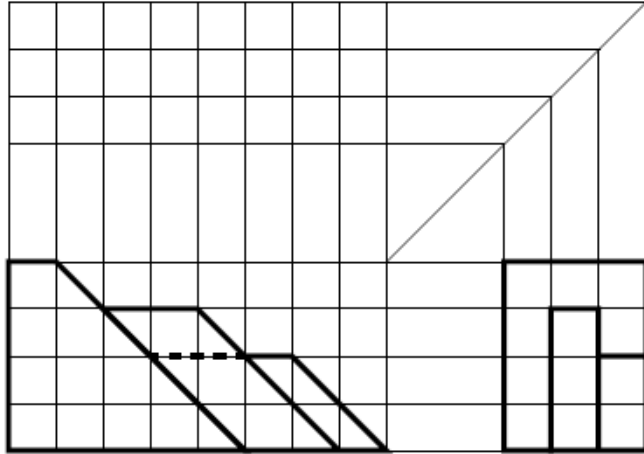
Solutions

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>J</p> 
<p>K</p> 	<p>L</p> 	<p>M</p> 

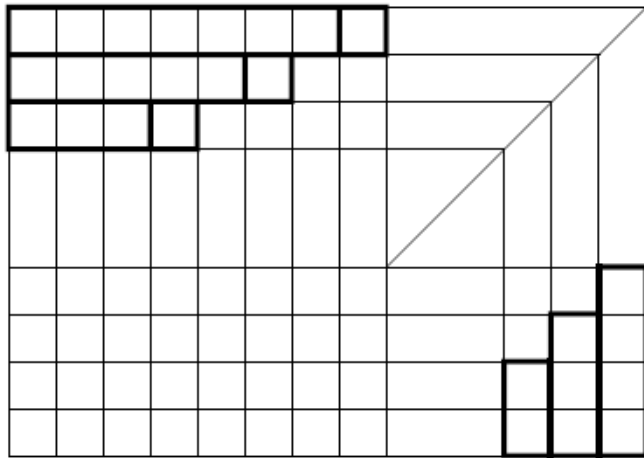
Exercise 20 (a)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

1



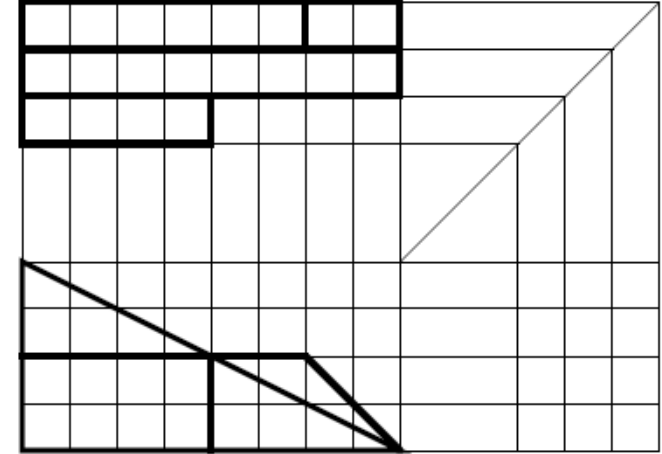
2



Exercise 20 (b)

Using squared paper or a sketching grid, redraw these views and project to draw the missing views.

3



4

