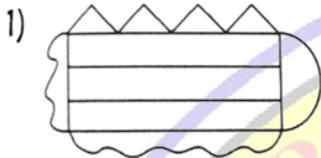


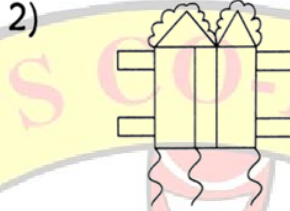
Exercises

Let's Recall

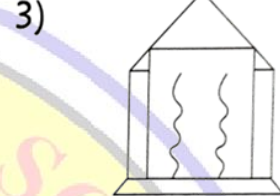
A) Count and write the number of lines.



Vertical lines: 2
Horizontal lines: 4
Slant lines: 8
Curved lines: 3



Vertical lines: 8
Horizontal lines: 10
Slant lines: 4
Curved lines: 5



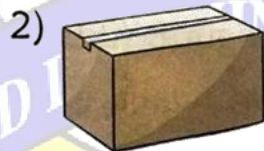
Vertical lines: 4
Horizontal lines: 5
Slant lines: 4
Curved lines: 2

Exercise 14.1

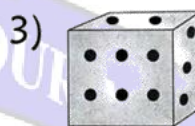
What shape will you get if you trace the outlines of the following objects? Write the number of sides and corners for each shape.



Shape: Circle
Sides: 0
Corners: 0



Shape: Rectangle
Sides: 4
Corners: 4



Shape: Square
Sides: 4
Corners: 4



Shape: Triangle
Sides: 3
Corners: 3

Exercise 14.2

Name the following:

1) Three objects with a plane surface.

- i) Top of a table
- ii) Blackboard
- iii) Book

2) Three objects with a curved surface.

- i) Ball
- ii) Apple
- iii) Globe

3) Three objects with a straight edge.

- i) Dice
- ii) Box
- iii) Book

4) Three objects with a curved edge.

- i) Ring
- ii) Bangle
- iii) Clock

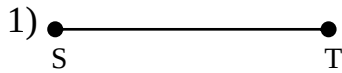
Exercise 14.3

Look at the object and complete the table.

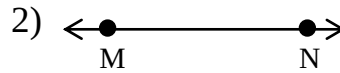
Object	Shape	No. of Faces	No. of Edges	No. of Corners
	Sphere	1	—	—
	Cylinder	3	2	—
	Cone	2	1	1
	Sphere	1	—	—
	Cuboid	6	12	8
	Cuboid	6	12	8

Exercise 14.4

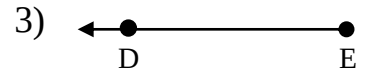
A) Name each figure in two ways.



Line segment ST
Or $\overline{ST}$

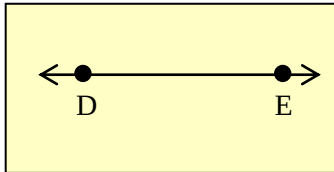


Line MN
or $\overleftrightarrow{MN}$



Ray ED
or $\overrightarrow{ED}$

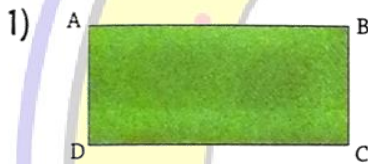
B) Draw as many lines as you can, passing through the given points D and E.



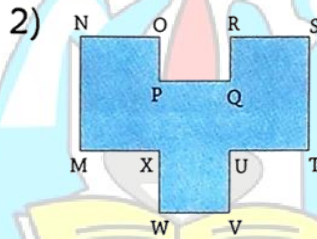
How many lines could you draw?

Answer: 1

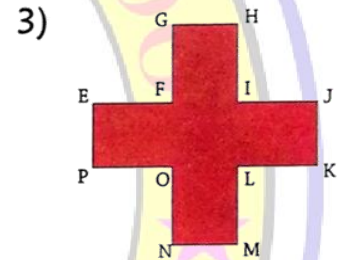
C) Count and write the number of line segments in each of the figures given below.



4 line segments

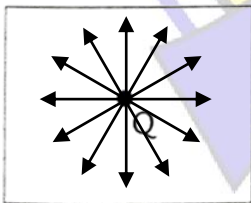


12 line segments



12 line segments

D) Draw as many lines as you can passing through the given point Q.



Can you still draw a few more lines through the point? Yes

That means, endless number of lines can be drawn through a given point.

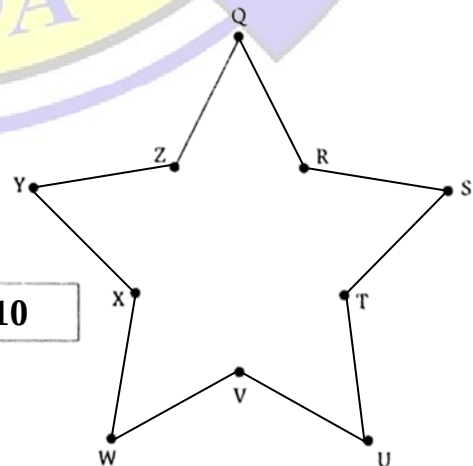
E) Join the dots from Q to Z.

1) What figure did you get? Star

2) How many line segments did you draw? 10

3) Name the line segments.

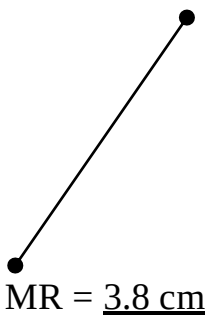
$\overline{QR}, \overline{RS}, \overline{ST}, \overline{TU}, \overline{UV}, \overline{VW}, \overline{WX}, \overline{XY}, \overline{YZ}, \overline{ZQ}$



Exercise 14.5

A) Measure the length of the following line segments using a scale.

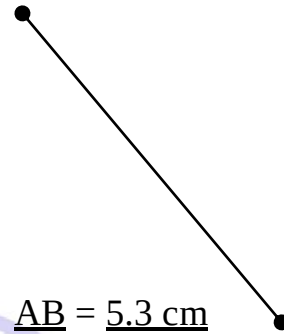
1)



2)

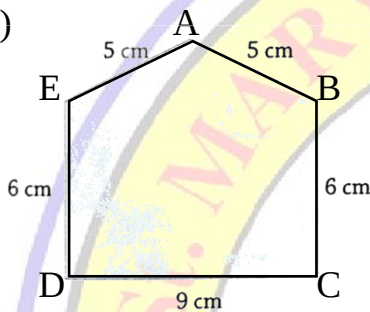


3)

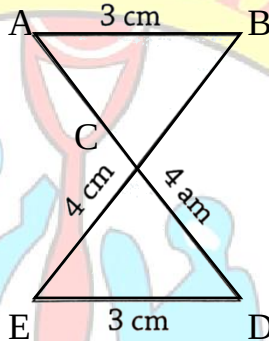


B) Draw each figure as per the measurements given below. Then name your figures.

1)



2)



Exercise 14.6

A) Look at the following figures and cross (x) the correct answer.

1)



☒ Open ☐ Closed

2)



☐ Open ☒ Closed

3)



☒ Open ☐ Closed

4)



☐ Open ☒ Closed

Exercise 14.7

A) Colour the tiling patterns given below using the following code.

G - ■ Y - ■ P - ■ B - ■ O - ■



B) Colour and complete the tiling patterns:

