

Chapter: 2

Q.1 Choose the correct alternative.

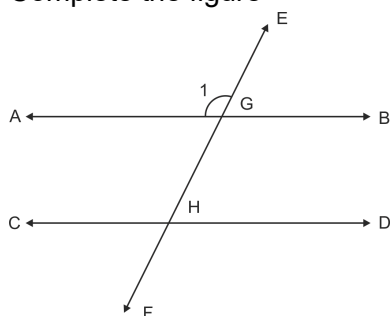
(4)

- 1) If a line intersects given two lines in two distinct points then that line is called a of those lines.
a. transversal b. pair c. perpenditure d. none of these
- 2) Each pair of corresponding angles formed by two parallel lines and their transversal are.
a. Complementary.
b. Supplementary.
c. Congruent.
d. Either complementary or supplementary.
- 3) There are two pairs of interior alternate angles and two pairs of exterior alternate angles, when two parallel lines are intersected by transversal.
a. True b. False
- 5) When two parallel lines are intersected by a transversal eight angles are formed. If the measure of one of these eight angles is given rest seven can be found.
a. True b. False

Q.2 Attempt the following questions. (Any three)

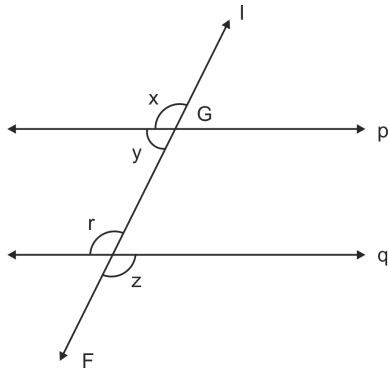
(6)

- 1) Draw a line l. Take a point A outside the line
Through point A draw a line parallel to line l.
- 2) Draw a line l. Take a point T outside the line.
Through point T draw a line parallel to line l.
- 3) Complete the figure



Which other angles will be equal to 1 and why.

- 4) Find the value of $\angle x$, $\angle y$ and $\angle r$ if $\angle z = 100^\circ$

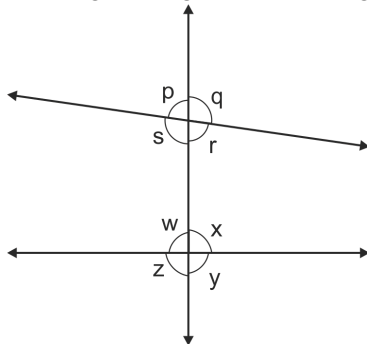


- 5) Draw a line m. Draw a line n which is parallel to line m at a distance of 4 cm from it.

Q.3 Solve the following questions. (Any two)

(6)

- 1) In the given figure, each angle is shown by a letter. Fill in the boxes with the help of figure.



corresponding angles

i. $\angle p$ and

ii. $\angle q$ and

iii. $\angle r$ and

iv. $\angle s$ and

Interior alternate angles

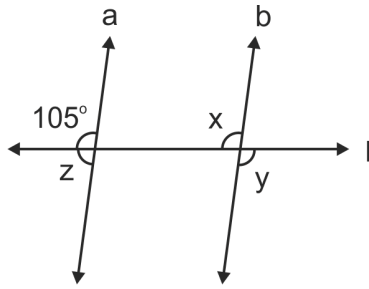
v. $\angle s$ and

vi. $\angle w$ and

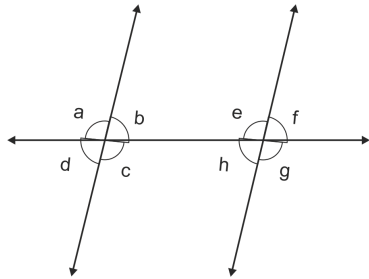
Prism
Colours of your Dreams

4)

In the given figure line $a \parallel$ line b , line l is a transversal. Find the measure of $\angle x$, $\angle y$, $\angle z$ using the given information.



3) Observe the angles shown in figure and write the following pair of angles.



- i. Interior alternate angles
- ii. Corresponding angles
- iii. Interior angles

Q.4 Answer the following questions

(4)

Q.4 In the given figure line $r \parallel$ line s and line $t \parallel$ line u . Find the measure of $\angle a$, $\angle b$ and $\angle c$ from the information provided. (4)

