



Pair of lines and Transversal Ex 15.2 Q1

Answer :

- (i) Alternate Interior angles are: $\angle BGH$ and $\angle CHG$, $\angle AGH$ and $\angle DHG$
Alternate Exterior angles are: $\angle AGE$ and $\angle DHF$, $\angle EGB$ and $\angle CHF$
Corresponding angles are: $\angle EGB$ and $\angle GHD$, $\angle EGA$ and $\angle GHC$, $\angle BGH$ and $\angle DHF$, $\angle AGH$ and $\angle CHF$
- (ii) The alternate angle to $\angle d$ is $\angle e$ and alternate angle to $\angle g$ is $\angle b$.
The corresponding angles to $\angle f$ is $\angle c$ and $\angle h$ is $\angle a$.
- (iii) In the given figure, 'l' is a transversal line to 'm' and 'n'.
So, the alternate angle of $\angle PQR$ is $\angle QRA$.
The corresponding angle of $\angle RQF$ is $\angle BRA$.
The alternate angle of $\angle PQE$ is $\angle BRA$.
- (iv) Interior angles on the same side of the transversal line 'n' are: $\angle d$ and $\angle f$, $\angle a$ and $\angle e$.
Exterior angles on the same side of the transversal line 'n' are: $\angle c$ and $\angle g$, $\angle b$ and $\angle h$.

Pair of lines and Transversal Ex 15.2 Q2

Answer :

- (i) c
- (ii) a
- (iii) b

***** END *****

