



Lines and angles Ex 14.2 Q1

Answer :

(i) Figure (i)

Corresponding angles:

$\angle EGB$ and $\angle GHD$

$\angle HGB$ and $\angle FHD$

$\angle EGA$ and $\angle GHC$

$\angle AGH$ and $\angle CHF$

Alternate angles:

$\angle EGB$ and $\angle CHF$

$\angle HGB$ and $\angle CHG$

$\angle EGA$ and $\angle FHD$

$\angle AGH$ and $\angle GHD$

(ii) Figure (ii)

Alternate angle to $\angle d$ is $\angle e$.

Alternate angle to $\angle g$ is $\angle b$.

Also,

Corresponding angle to $\angle f$ is $\angle c$.

Corresponding angle to $\angle h$ is $\angle a$.

(iii) Figure (iii)

Angle alternate to $\angle PQR$ is $\angle QRA$.

Angle corresponding to $\angle RQF$ is $\angle ARB$.

Angle alternate to $\angle POE$ is $\angle ARB$.

(iv) Figure (ii)

Pair of interior angles are

$\angle a$ and $\angle e$

$\angle d$ and $\angle f$

Pair of exterior angles are

$\angle b$ and $\angle h$

$\angle c$ and $\angle g$

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