Lines and angles Ex 14.2 Q1

Answer :

(i) **Figure (i)**

Corresponding angles:

∠EGB and ∠GHD

∠HGB and ∠FHD

∠EGA and ∠GHC

∠AGH and ∠CHF

Alternate angles:

∠EGB and ∠CHF

∠HGB and ∠CHG

∠EGA and ∠FHD

∠AGH and ∠GHD

(ii) **Figure (ii)**

Alternate angle to ∠d is ∠e.

Alternate angle to ∠g is ∠b.

Also,

Corresponding angle to ∠f is ∠c.

Corresponding angle to ∠h is ∠a.

(iii) Figure (iii)

Angle alternate to ∠PQR is ∠QRA.

Angle corresponding to ∠RQF is ∠ARB.

Angle alternate to ∠POE is ∠ARB.

(iv) Figure (ii)

Pair of interior angles are

∠a and ∠e

∠d and ∠f

Pair of exterior angles are

∠b and ∠h

∠c and ∠g

********** END *********