7.4, 5

Given, PR > PQ is PS bisect ∠QPR
To prove - ∠PSR > ∠PSQ
Proof -

In △PQR
As PR > PQ
∴ ∠PQS > ∠PRS - ① (angles opp to greater side is greater)

AD, PS bisect ∠P hence
∠QPS = ∠RPS - ②

In △ PQS
∠PSR is exterior angle
∠QPS + ∠PQS = ∠PSR - ③

In △ PRS
∠PSQ is exterior angle
∠PRS + ∠RPS = ∠PSQ - ④

Adding equation ① & ②

∠PQS + ∠QPS > ∠PRS + ∠RPS - ⑤

Put value of equation ③ & ④ in ⑤

∠PSR > ∠PSQ