Math Club: Contest Week Seven
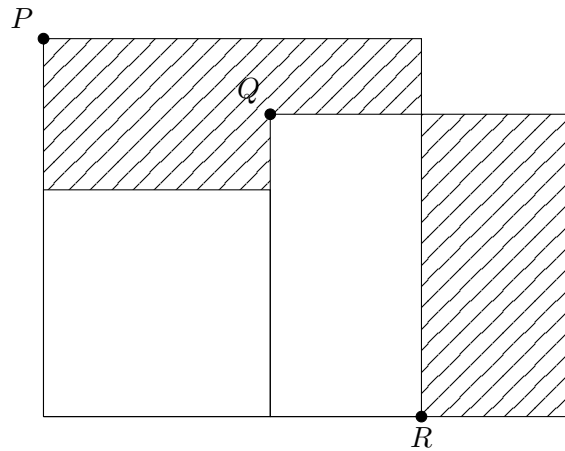
Release Date: November 30, 2022
Instructions: Solve the following problem the best you can, first to submit the correct solution via email or the secretaries in Room 332 (with time stamp) wins!

Problem 1. Three squares with side lengths $a < b < c$ are arranged as below

If the hatched areas are equal, what is $\angle PQR$?