Activity Worksheet

Challenging brain

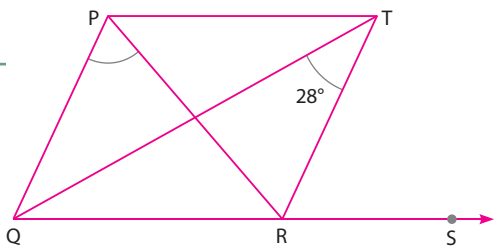
Sub : Mathematics **Grade: IX** **Date: .....**

Name: ..... **ID No.....**

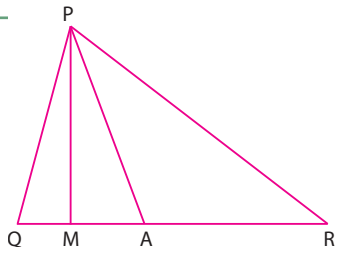
Performance Test

Write the correct answer for each of the following.

1. In Fig. 4.31, the side QR of Δ PQR is produced to point S. If the bisector of ∠PQR and ∠PRS meet at point T, then prove that $\angle T = \frac{1}{2}\angle P$.



2. In Fig. 4.32, ∠Q > ∠R, PA is the bisector of ∠QPR and PM ⊥ QR. Prove that $\angle APM = \frac{1}{2}(\angle Q - \angle R)$.



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