5-1 Practice

Bisectors of Triangles

Find each measure.

1. $TP$

2. $VU$

3. $KN$

4. $\angle NJZ$

5. $QA$

6. $\angle MFZ$

Point $L$ is the circumcenter of $\triangle BKT$. List any segment(s) congruent to each segment below.

7. $\overline{BN}$

8. $\overline{BL}$

Point $A$ is the incenter of $\triangle LGY$. Find each measure below.

9. $\angle ILA$

10. $\angle JGA$

11. SCULPTURE A triangular entranceway has walls with corner angles of 50, 70, and 60. The designer wants to place a tall bronze sculpture on a round pedestal in a central location equidistant from the three walls. How can the designer find where to place the sculpture?