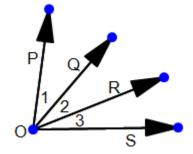
Name: _____

Adjacent Angles and Angle Bisector

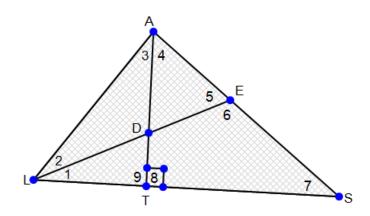
Find the indicated measure. (Show your way.)

1)
$$m\angle POR = 80$$

 $m\angle 2 = 25$
Find $m\angle 1$.



Refer to the diagram to complete each statement



6)
$$m\angle ALS - m\angle 2 = m\angle ?$$

7)
$$m\angle ADL + m\angle ADE = \underline{?}$$

8) If
$$m \angle 1 = m \angle 2$$
, then _?_ bisects _?_.

9) If
$$\overrightarrow{AT}$$
 bisects \angle LAS, then \angle ? \cong \angle ?

Mathelpers

Draw a figure then find the indicated measure.

21) \angle AOT and \angle TOG are adjacent angles, m \angle AOG = 100, and m \angle AOT = 3(m \angle TOG). Find m \angle TOG.

22) \overrightarrow{OC} bisects \angle AOB, \overrightarrow{OD} bisects \angle AOC, \overrightarrow{OE} bisects \angle AOD, \overrightarrow{OF} bisects \angle AOE and \overrightarrow{OG} bisects \angle FOC.

a) If $m\angle BOF = 120$, find $m\angle DOE$.

b) If $m\angle COG = 35$, find $m\angle EOG$