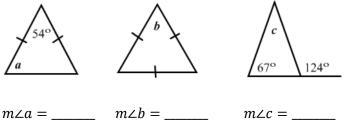
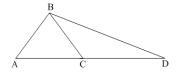
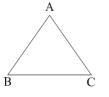
1. Find the missing angle in each of the following diagrams.



2. In the diagram below, triangle ABC is equilateral and $m \angle ADB = 27^{\circ}$. Find $m \angle CBD$.



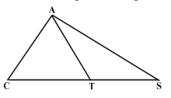
3. In the diagram below, triangle *ABC* is *isosceles* with vertex angle *B*. If $m \angle A = 63^{\circ}$, find $m \angle B$.



3._____

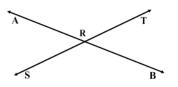
2._____

4. In the given diagram below, $\overline{AC} \cong \overline{AT}$. If $\angle ATS = 118^\circ$, find $m \angle CAT$.

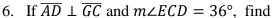


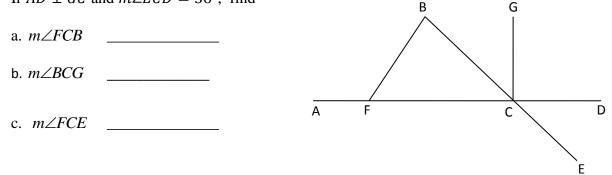
4._____

5. In the diagram, \overrightarrow{AB} and \overrightarrow{ST} intersect at R. If $m \angle SRA = 5x - 8$ and $m \angle TRB = 3x + 4$, find $m \angle SRB$.



5._____





7. Angle B is 10 less than 4 times angle A. If the angles are complementary, find the number of degrees in the angle B.

