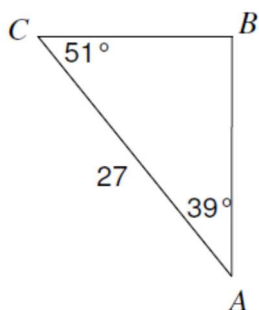
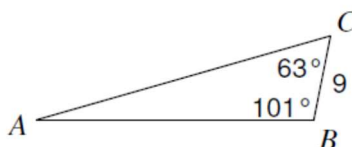
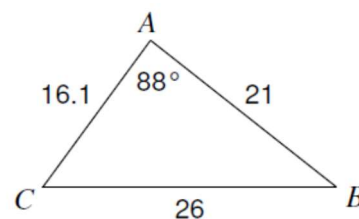


Name: \_\_\_\_\_

Date: \_\_\_\_\_

**Learning Goal 2.3**

Use of sine and cosine laws to solve non-right triangles, including ambiguous cases.

1. Find side  $a$ .2. Find side  $c$ .3. Find  $\angle C$ .

4. In  $\triangle ABC$ ,  $\angle A = 82^\circ$ ,  $a = 29$  m and  $b = 24$  m. Determine the measure of  $\angle C$  to the nearest degree.
5. In  $\triangle LMN$ ,  $\angle L = 118^\circ$ ,  $\angle M = 22^\circ$  and  $n = 24$  cm. Determine the measure of  $m$  to the nearest tenth of a metre.