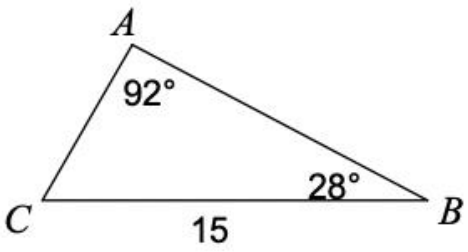
LAWS OF SINES & COSINES CIRCUIT WORKSHEET Name: _____

Start with #1, then find the answer on the sheet and do that problem next. If you do each problem correctly, it should complete a circuit. Do you work on another sheet of paper.

CIRCUIT: 1 → ___ → ___ → ___ → ___ → ___

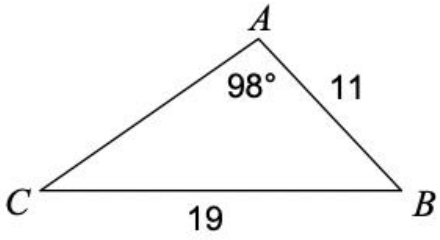
1. Answer: 37

Find AC



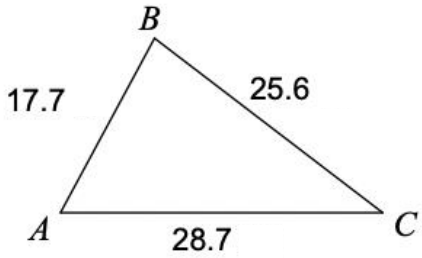
2. Answer: 28.9

Find $m\angle C$



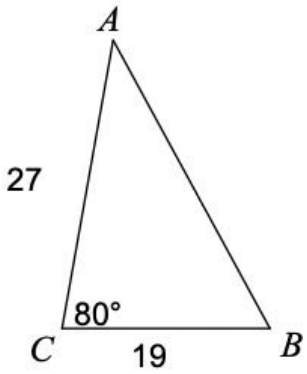
3. Answer: 35

Find the measure of angle A



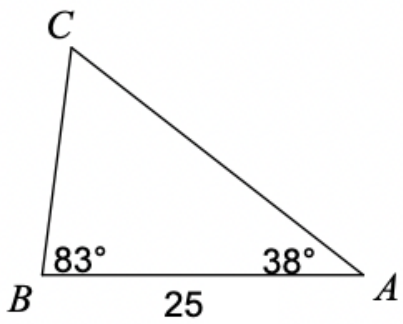
4. Answer: 7

Find AB



5. Answer: 30.2

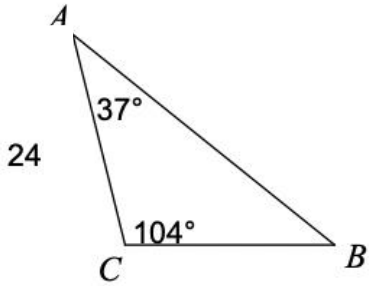
Find AC



6. Answer: 61.7

8)

C



LAWS OF SINES PRACTICE

****Do not have to solve****
You should have:

- **1 – no possible triangle**
- **2 – 1 possible triangle**
- **1 – 2 possible triangles**

State the number of possible triangles that can be formed using the given measurements.

1) $m\angle A = 110°$, $c = 19$ cm, $a = 32$ cm

2) $m\angle A = 131°$, $a = 25$ yd, $c = 8$ yd

3) $m\angle B = 100°$, $a = 33$ km, $b = 29$ km

4) $m\angle B = 61°$, $a = 35$ mi, $b = 32$ mi