The questions in this series of worksheets appear frequently.
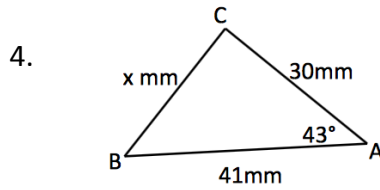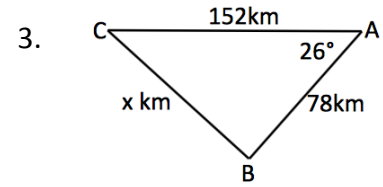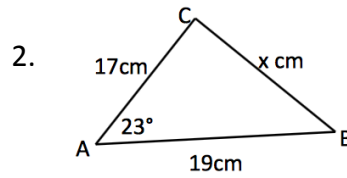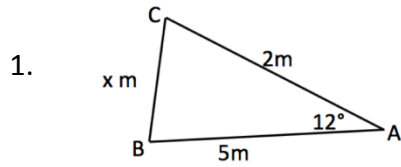
These are the GIFTS you must take to succeed

<u>The Cosine Rule</u>   (Calculator)
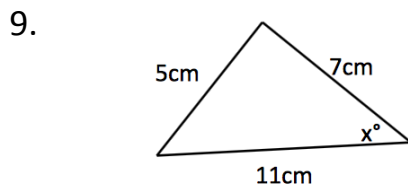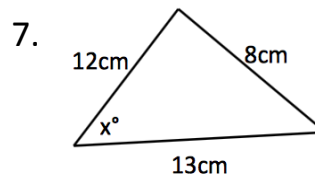
Calculate side, x in each:

1.
C
2m
x m
12°
B   5m   A

2.
C
17cm   x cm
23°
A   19cm   B

3.
152km
C   26°   A
x km   78km
B

4.
C
x mm   30mm
43°
B   41mm   A

5.
109°
7·5m   7·9m
x m
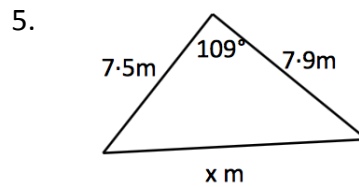
Calculate angle, x in each:

6.
5·2cm   9·7cm
x°
7·4cm

7.
12cm   8cm
x°
13cm

8.
33cm
x°
24cm   45cm

9.
5cm   7cm
x°
11cm

10.
8·4cm
7·1cm   6·5cm
x°
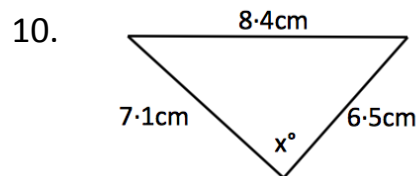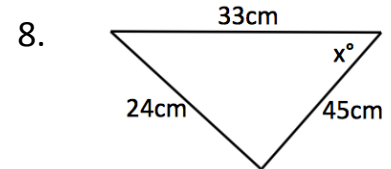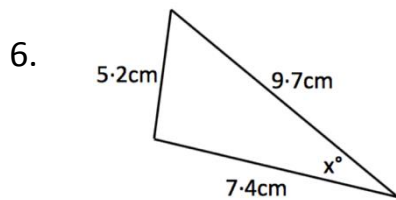
<u>APPLYING QUESTION</u>

Two drones leave from the same position, P.

Drone A flies 350 metres on a bearing of 063°.

Drone B flies 470 metres on a bearing of 134°.

Calculate the distance between the two drones.