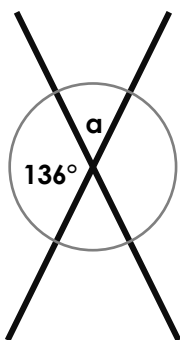
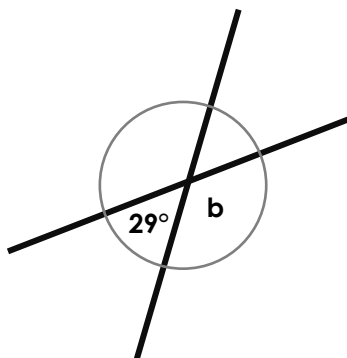


# Vertically Opposite Angles

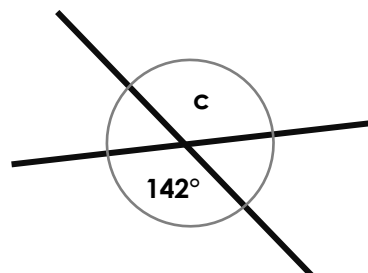
1. Find the value of the missing angles.



$$a = \boxed{\phantom{00}}$$



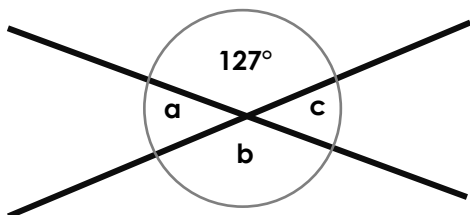
$$b = \boxed{\phantom{00}}$$



$$c = \boxed{\phantom{00}}$$

*Not to scale*

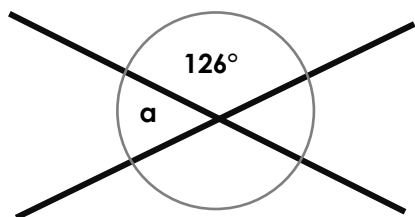
2. Mark the boxes with an 'x' to show whether the statements are true or false.



	T	F
A. Angle a is $53^\circ$	<input type="checkbox"/>	<input type="checkbox"/>
B. Angles a and c equal $180^\circ$	<input type="checkbox"/>	<input type="checkbox"/>
C. Angles a and c are equal	<input type="checkbox"/>	<input type="checkbox"/>

*Not to scale*

3. Steph and Sean are calculating missing angles.



**Steph**

To find the missing angle you can subtract  $126^\circ$  from  $360^\circ$ , then divide the answer by 2.



**Sean**

To find the missing angle you can double  $126^\circ$ , subtract the answer from  $360^\circ$  and then divide the answer by 2.

Who is correct? Explain how you know.

*Not to scale*