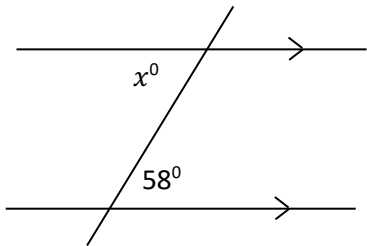


## MATHS WORKSHEETS- GEOMETRY- ALTERNATE ANGLES

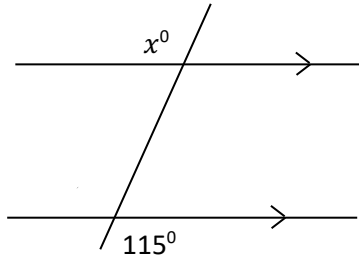
Find the value of the pronumeral, giving reasons.

1.



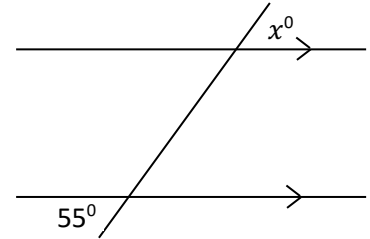
Answer:

2.



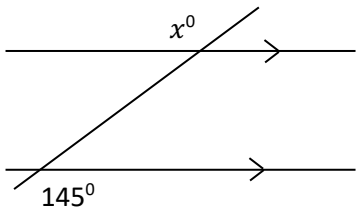
Answer:

3.



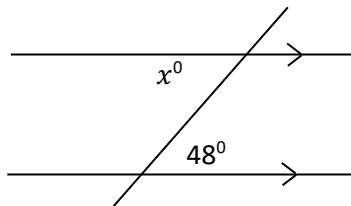
Answer:

4.



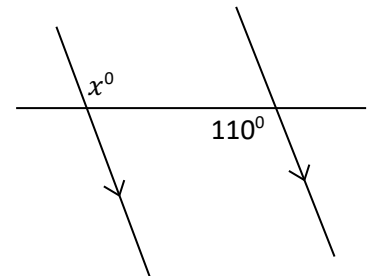
Answer:

5.



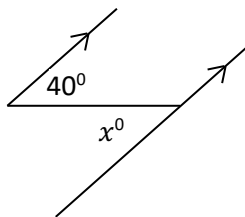
Answer:

6.



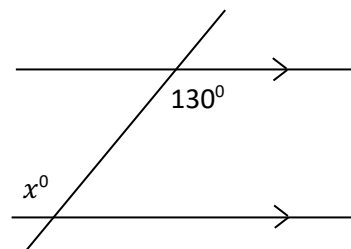
Answer:

7.



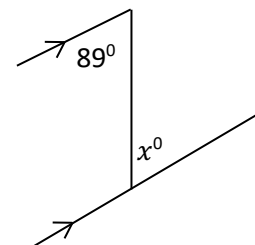
Answer:

8.



Answer:

9.

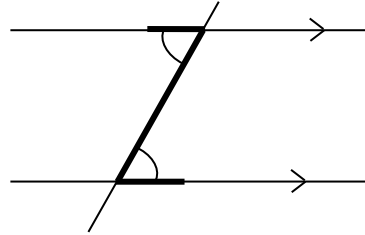
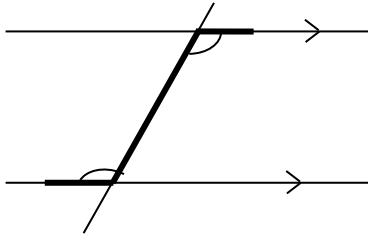


Answer:

**Answer Key:**

Alternate angles: **Z** shaped

Alternate angles are equal



1.  $x = 58^\circ$  (Alternate angles)
2.  $x = 115^\circ$  (Alternate angles)
3.  $x = 55^\circ$  (Alternate angles)
4.  $x = 145^\circ$  (Alternate angles)
5.  $x = 48^\circ$  (Alternate angles)
6.  $x = 110^\circ$  (Alternate angles)
7.  $x = 40^\circ$  (Alternate angles)
8.  $x = 130^\circ$  (Alternate angles)
9.  $x = 89^\circ$  (Alternate angles)

