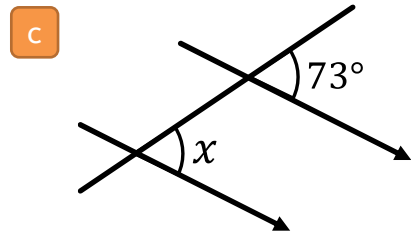
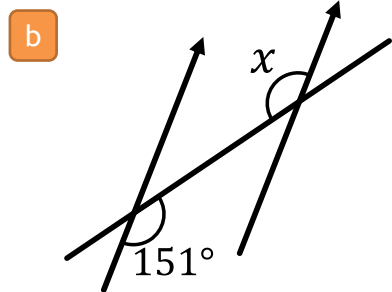
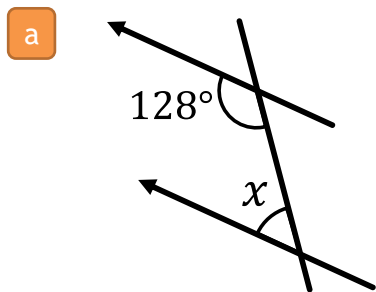
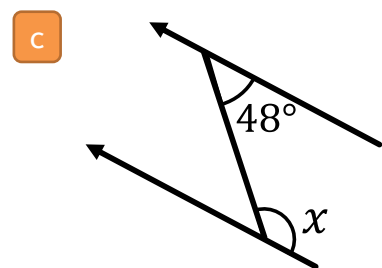
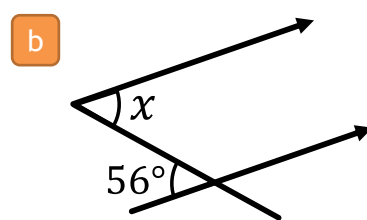
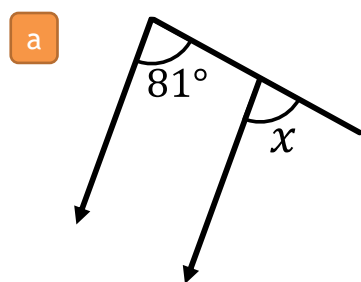


Angles on Parallel Lines: Exercise 1

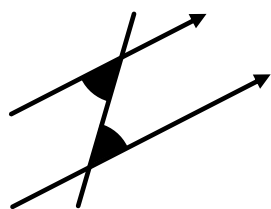
1 Find the value of x .



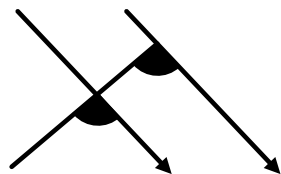
2 Find the value of x .



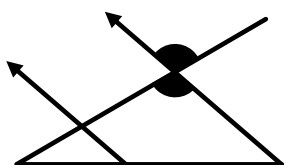
3 Match each diagram to the correct word.



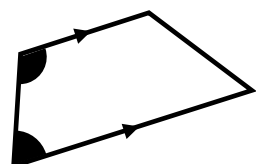
Corresponding



Alternate



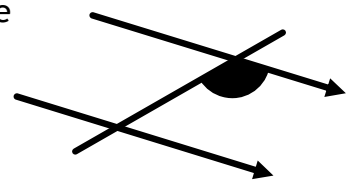
Co-interior



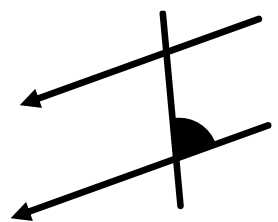
Vertically Opposite

4 Shade an angle in each diagram to match the given description.

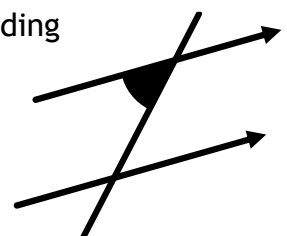
a Alternate



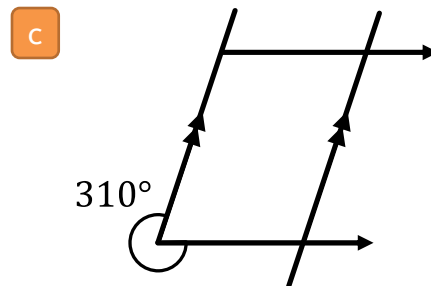
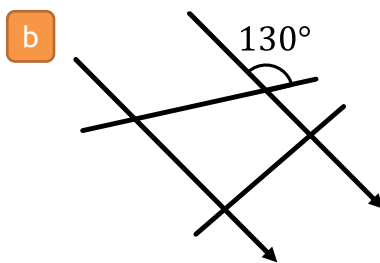
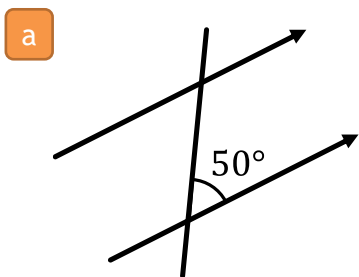
b Co-interior



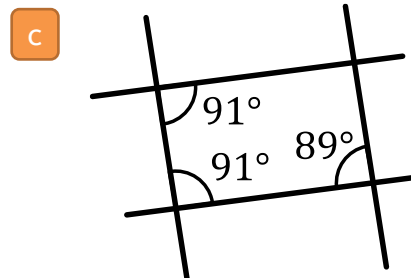
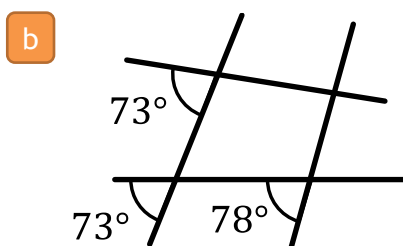
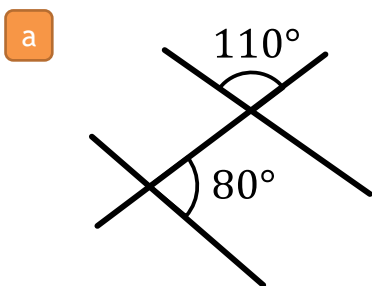
c Corresponding



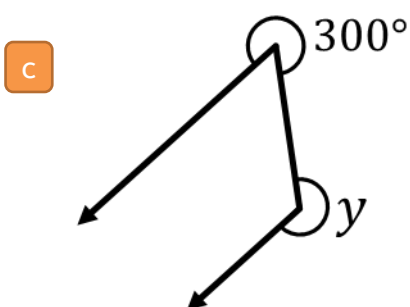
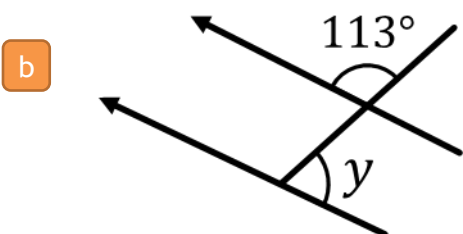
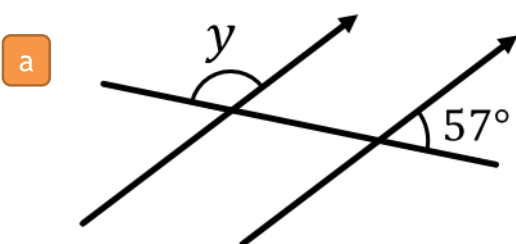
5 Shade all the angles equal to 50° in each diagram.



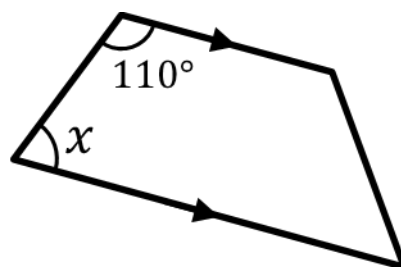
6 Decide which lines, if any, are parallel in each diagram. Diagrams are not drawn accurately.



7 Find the value of y .



8 Find the value of x in the trapezium below.



[JMC, 2011, Question 11]
The diagram shows an equilateral triangle inside a rectangle. What is the value of $x + y$?

