WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 37

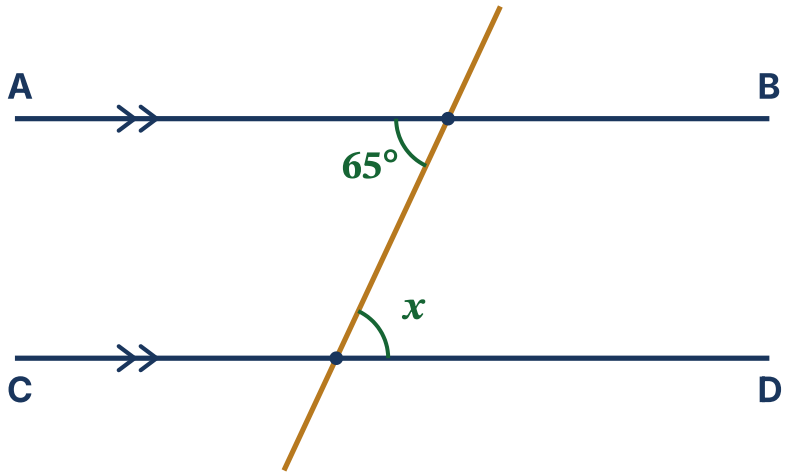
Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 Two co-interior angles are $(2x)°$ and $(x + 30)°$. Determine the value of x, and hence the size of each angle. **(4)**

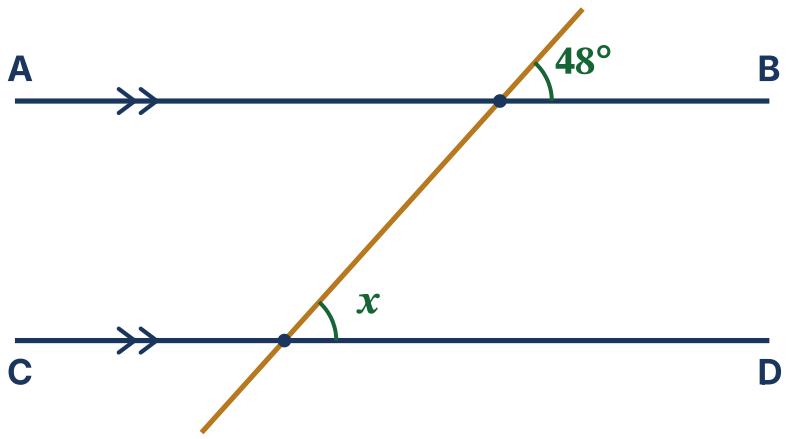
2 Two corresponding angles are $(5x - 18)°$ and $(2x + 30)°$. Determine the value of x, and hence the size of each angle. **(4)**

3 Two co-interior angles are $(3x - 20)°$ and $(x + 40)°$. Determine the value of x, and hence the size of each angle. **(4)**

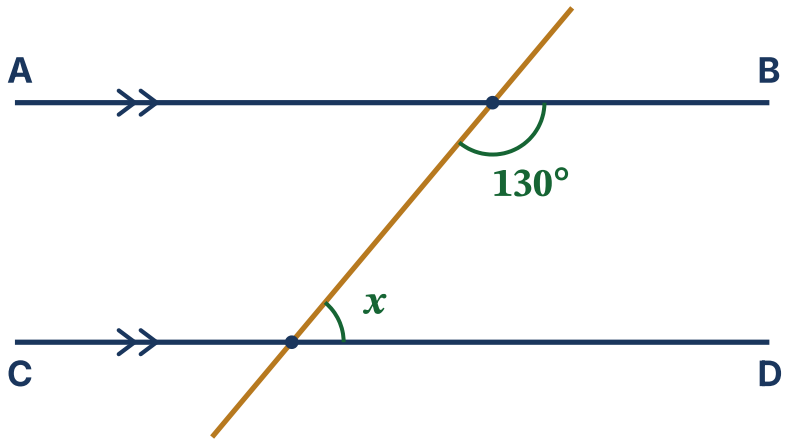
4 In the diagram below, AB ∥ CD. Determine the size of x, giving a reason. (2)



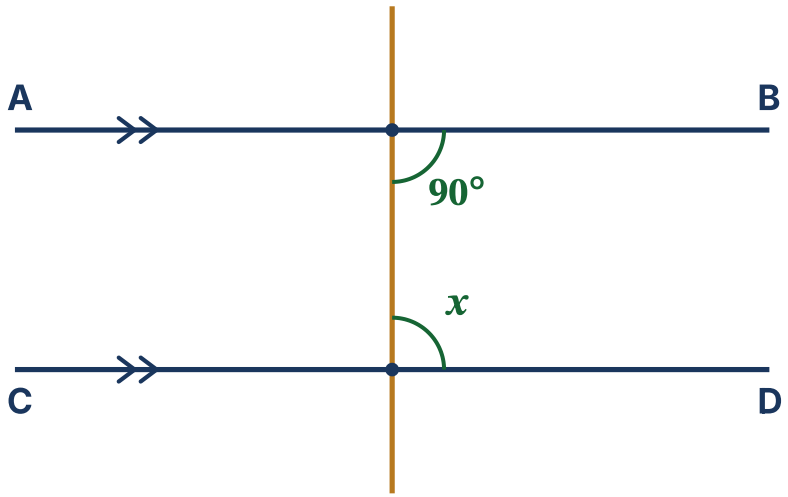
5 In the diagram below, AB ∥ CD. Determine the size of x. Give a reason for your statement. (2)



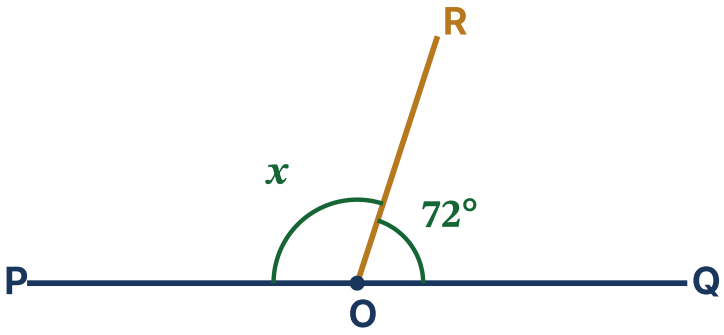
6 In the diagram below, AB ∥ CD. Write down the size of x and the reason for your answer. (2)



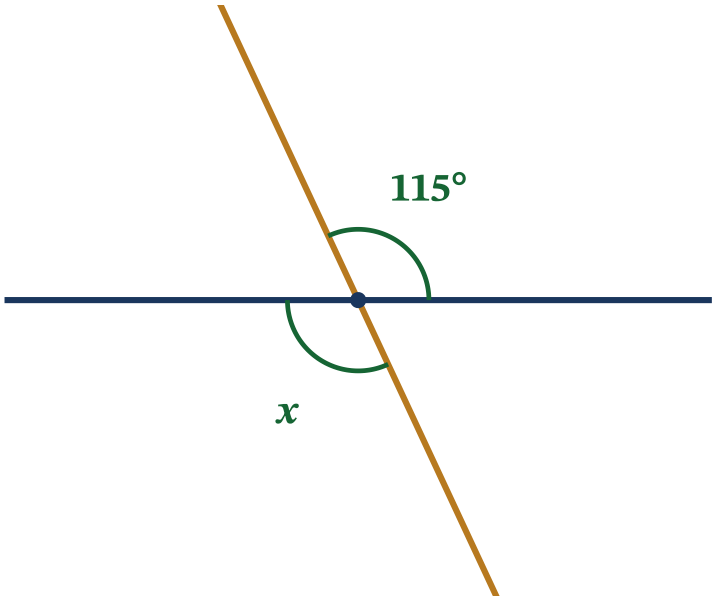
7 In the diagram below, AB ∥ CD. Determine, with a reason, the size of x. (2)



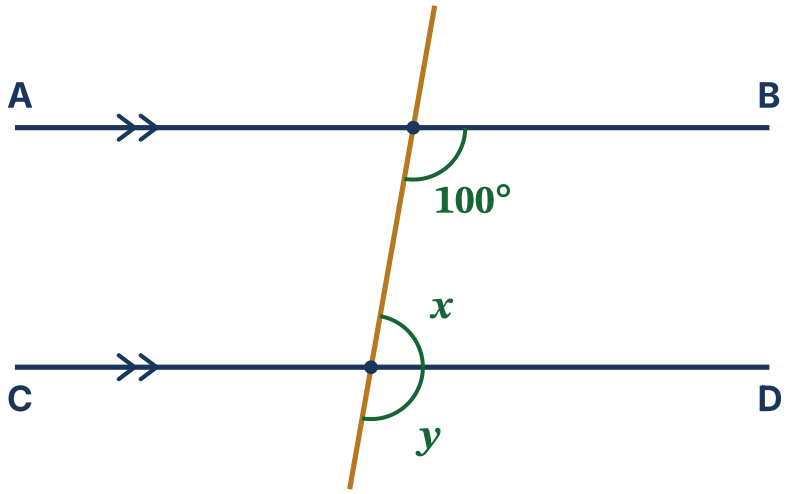
8 In the diagram below, POQ is a straight line. Determine the size of x. (2)



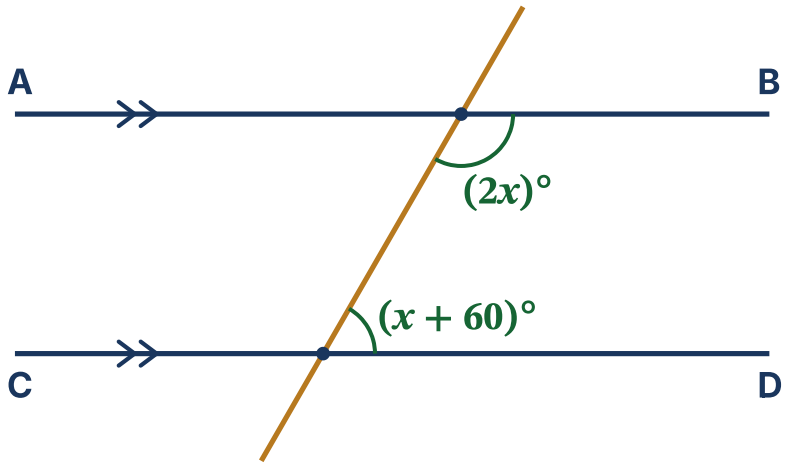
9 Two straight lines intersect as shown in the diagram below. Determine the size of x. (2)



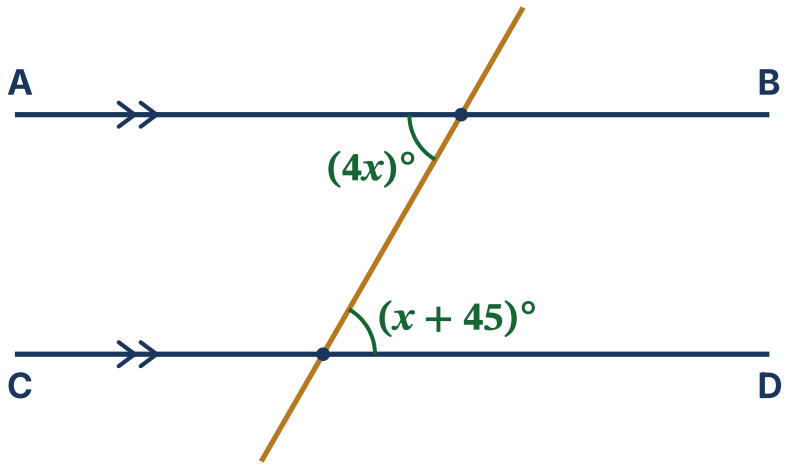
10 In the diagram below, AB ∥ CD. Determine the sizes of y and then x, giving reasons. (4)



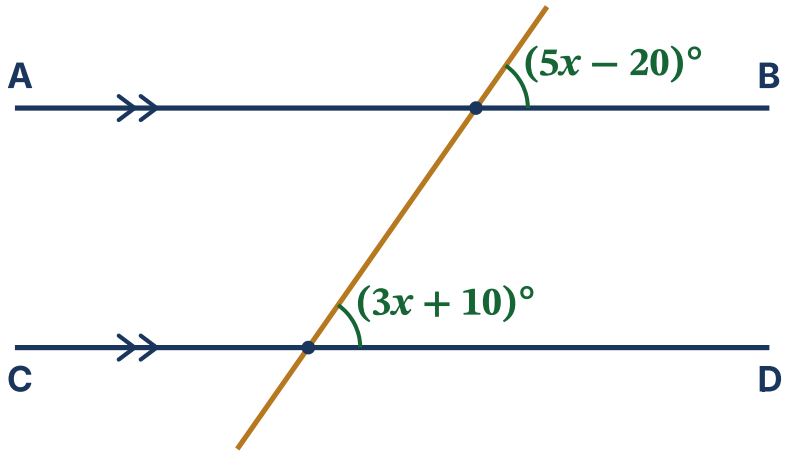
11 In the diagram below, AB ∥ CD. Calculate the value of x. (3)



12 In the diagram below, AB ∥ CD. Solve for x. (3)



13 In the diagram below, AB ∥ CD. Determine the value of x. (3)



TOTAL: 37 marks

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