a) Draw a regular pentagon, where each edge measures 3cm and each internal angle measures 108°.

b) Draw a right-angled triangle with a horizontal edge that measures 4cm and a vertical edge that measures 5cm.

c) Draw a parallelogram, where each edge measures 4cm, two internal angles each measure 100° and two internal angles each measure 80°.

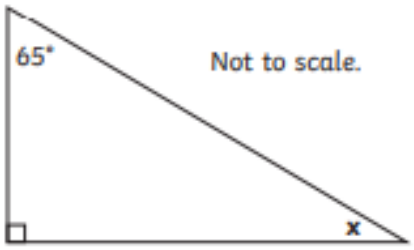
a) Write the names of these shapes in the correct places in this Carroll diagram:

square	rectangle	right-angled triangle	regular pentagon
equilateral triangle	regular octagon	semi-circle	parallelogram

	polygon	not a polygon
at least one right angle		
no right angles		

b) Calculate the internal angle labelled **x** in this right-angled triangle.

Show your working out.

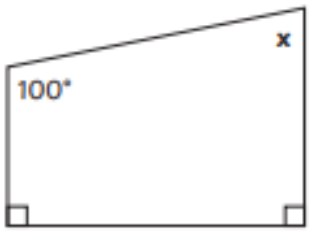


Not to scale.

x = ... °

c) Calculate the internal angle labelled **x** in this irregular quadrilateral.

Show your working out.



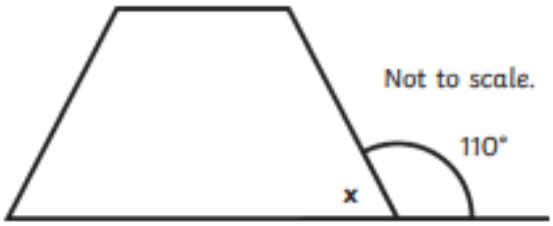
x = ... °

d) The sum of the internal angles in a regular hexagon is 720°. Calculate the measurement of one internal angle in a regular hexagon.

Show your working out.

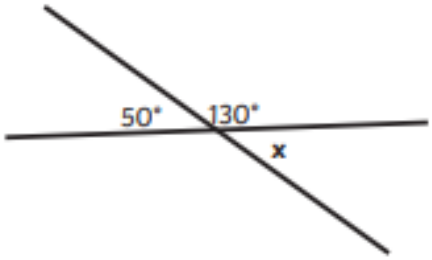
a) Calculate the internal angle labelled **x** in this shape using the information given.

Show your working out.



x = _____ °

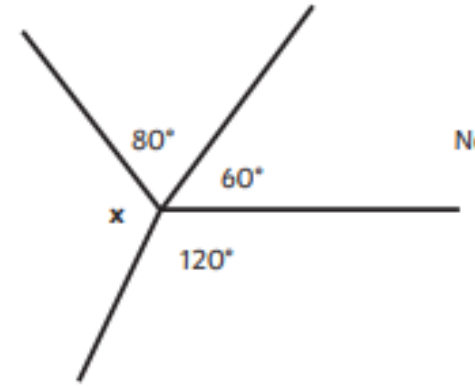
b) What is the measurement of the angle labelled **x**?



x = _____ °

c) What is the measurement of the angle labelled **x**?

Show your working out.

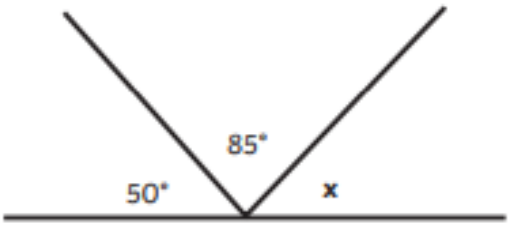


Not to scale.

x = _____ °

d) Calculate the missing angle.

Show your working out.



x = _____ °