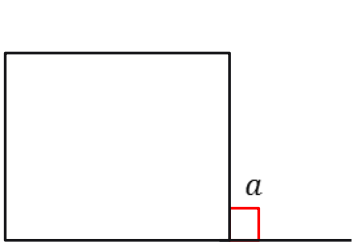
Find missing exterior angles

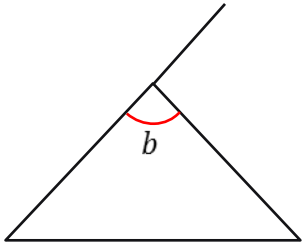
Maths

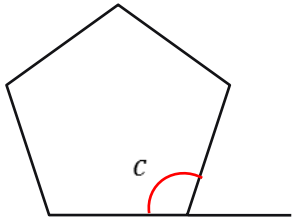
Mr Clasper

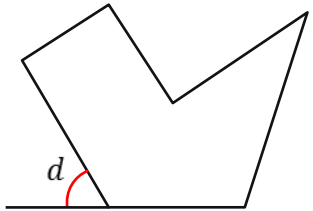
Find missing exterior angles

1. For each diagram state whether the angle is interior or exterior.

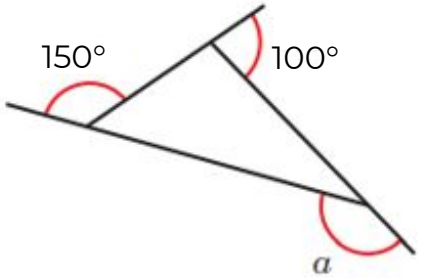


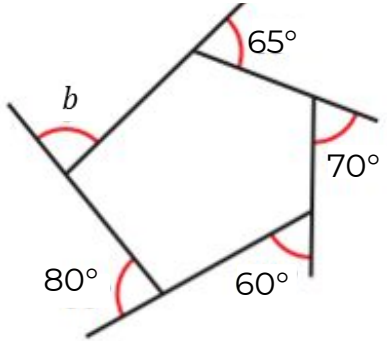






2. Calculate the size of each missing angle



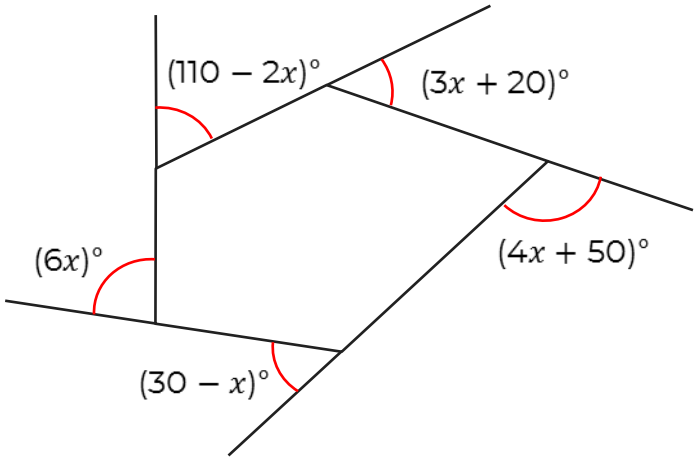


Find missing exterior angles

3. The table contains information about regular polygons.
Complete the missing information.

Number of sides	Size of the exterior angle
3	
4	
5	
6	

4. Below is an irregular pentagon



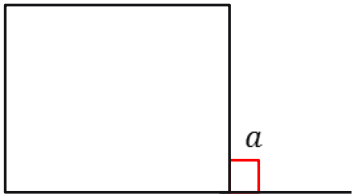
a) Form and solve an equation to find the value of x

b) Find the size of the largest angle.

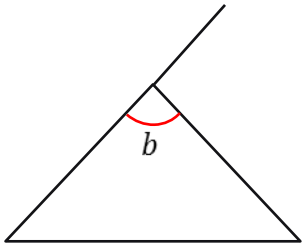
Answers

Find missing exterior angles

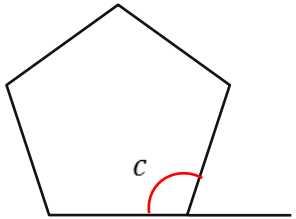
1. For each diagram state whether the angle is interior or exterior.



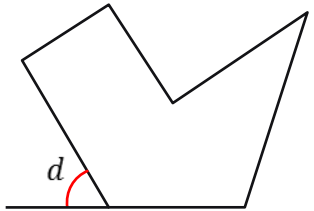
Exterior



Interior

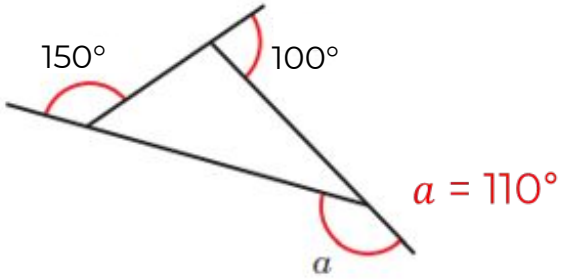


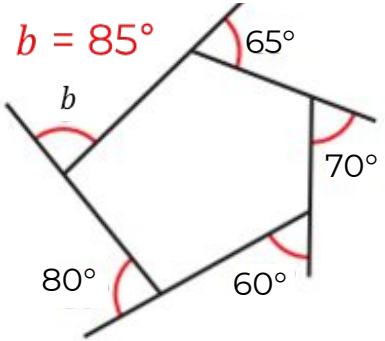
Interior



Exterior

2. Calculate the size of each missing angle



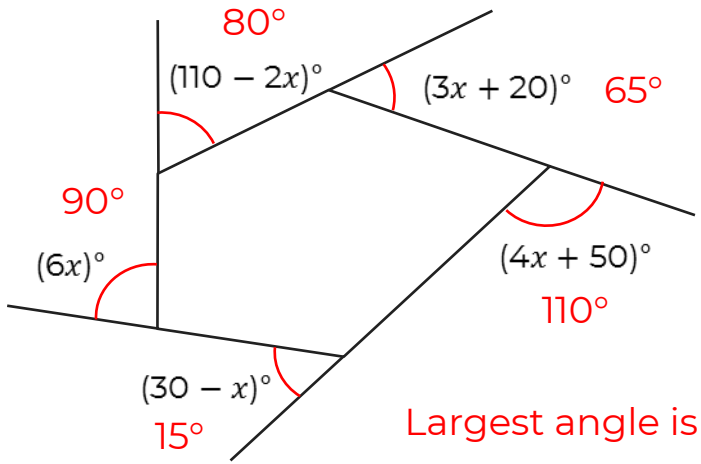


Find missing exterior angles

3. The table contains information about regular polygons.
Complete the missing information.

Number of sides	Size of the exterior angle
3	120°
4	90°
5	72°
6	60°

4. Below is an irregular pentagon



Largest angle is 110°

a) Form and solve an equation to find the value of x $10x + 210 = 360$
$x = 15$

b) Find the size of the largest angle.