# OGUN DIGICLASS

**CLASS:** PRIMARY SCHOOL

**SUBJECT:** MATHEMATICS

**TOPIC:** ANGLES

**SUBTOPIC:** Missing Angles

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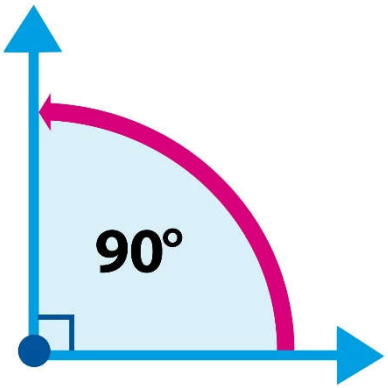
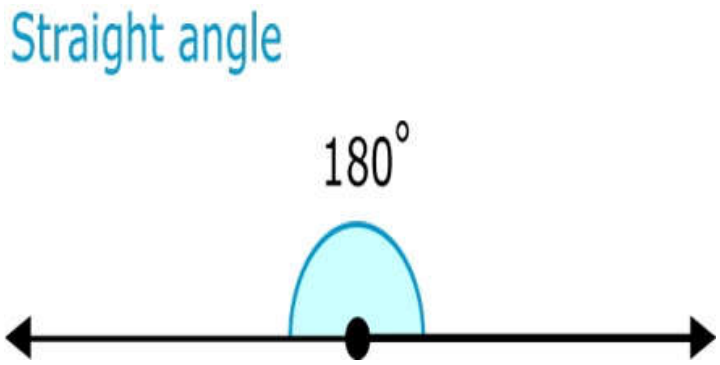
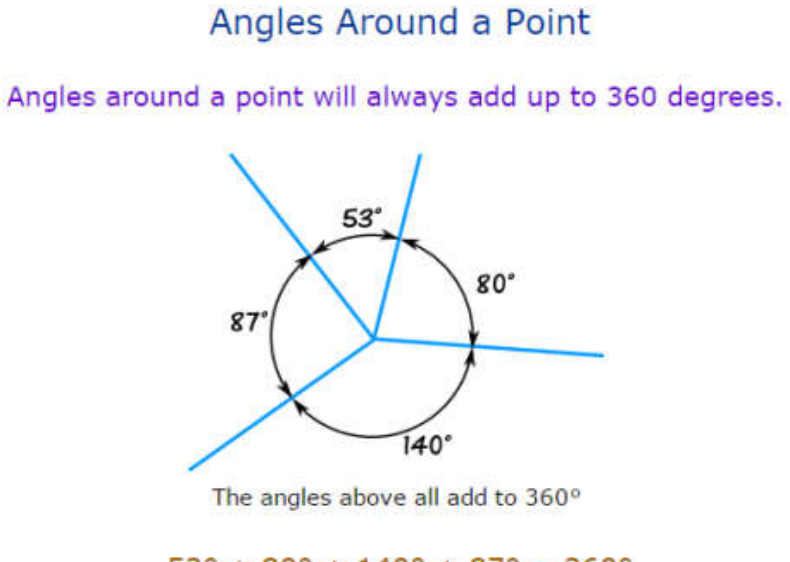
# Learning Objectives

To calculate missing angles on

- Right Angles;
- Straight line and
- Angle at a point



# What do you need to know?

Angles in a right angle add up to.....

90°

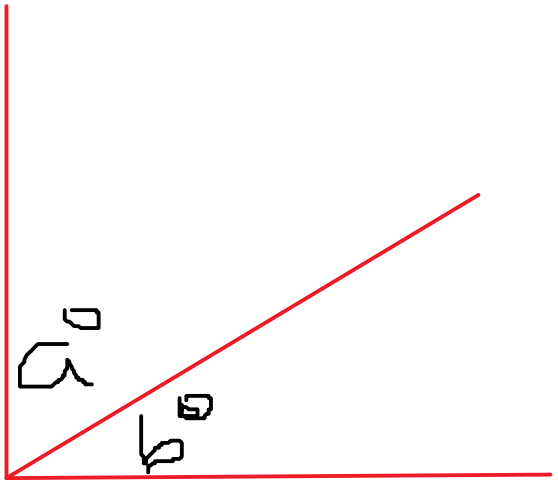
Angles on a straight line add up to.....

180°

Angles around a point add up to.....

360°

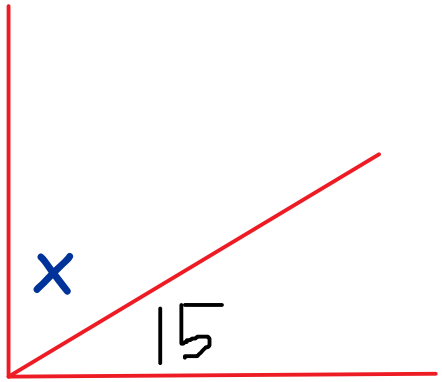
# Calculate the missing angle in a Right Angle



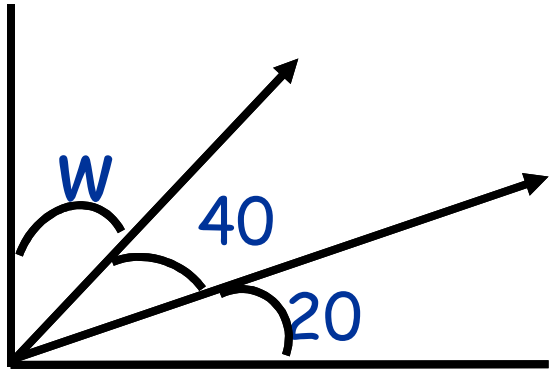

a° = Acute angle
b° = Acute angle
a° + b° = Right angle (90°)

# Let's try this

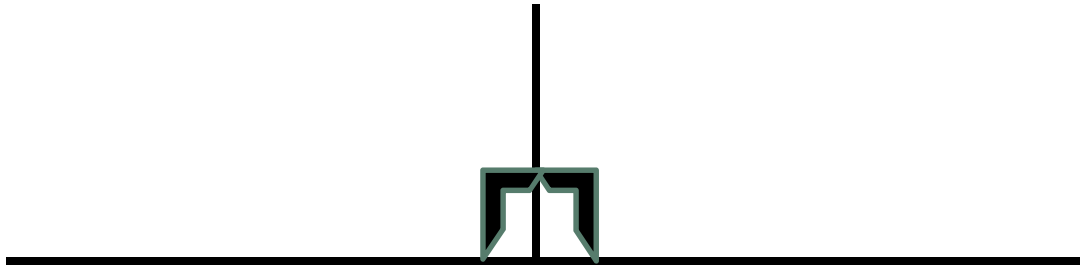
Find x

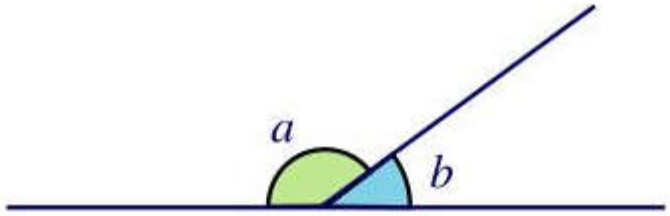


# What is w?



# Calculate the missing angle on a straight line

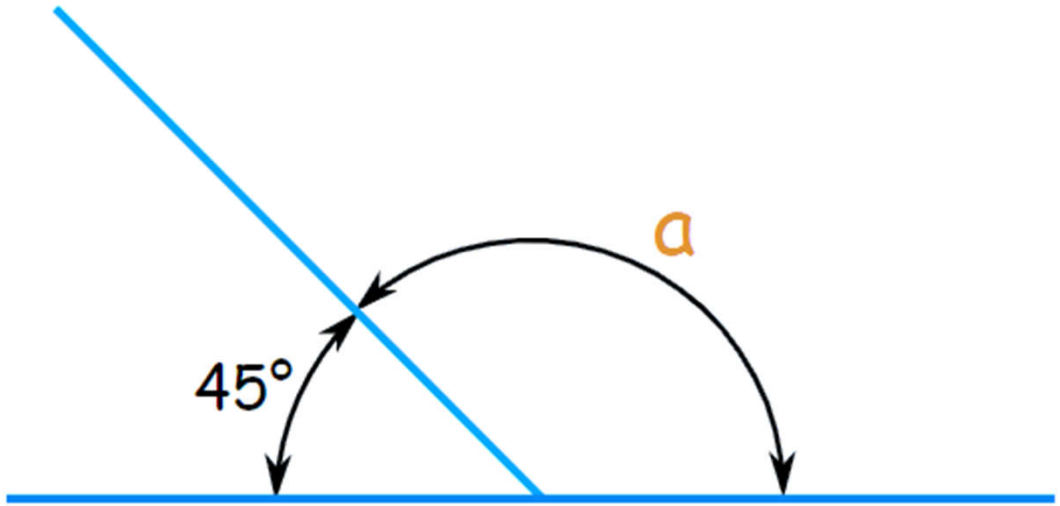




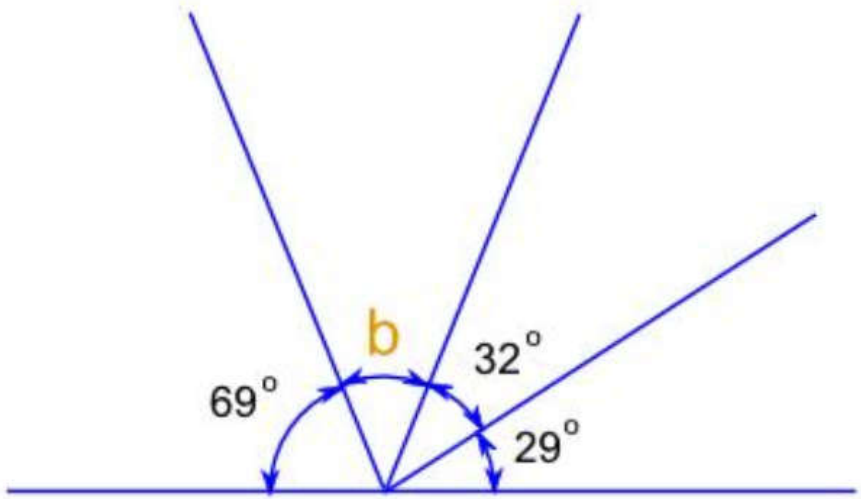

- a° = Obtuse angle
- b° = Acute angle
- a° + b° = Straight line angle (180°)

# Let's try again

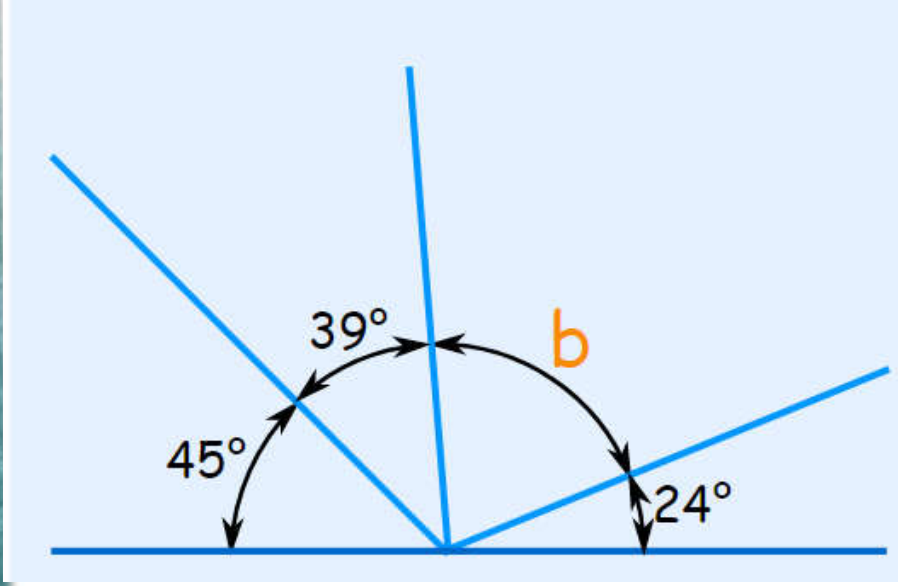
Find a



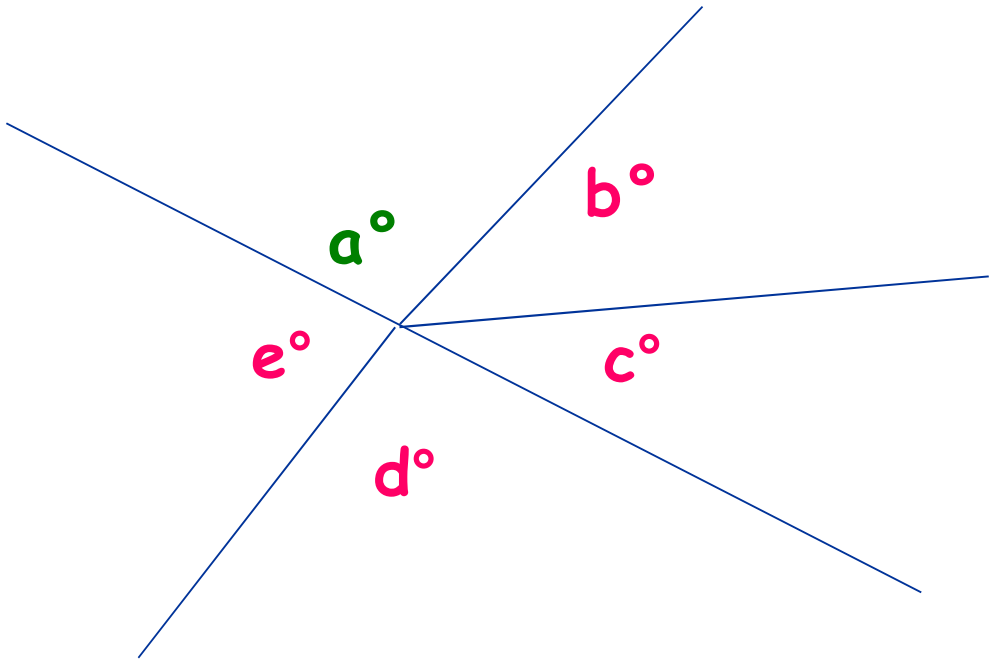
# Find b



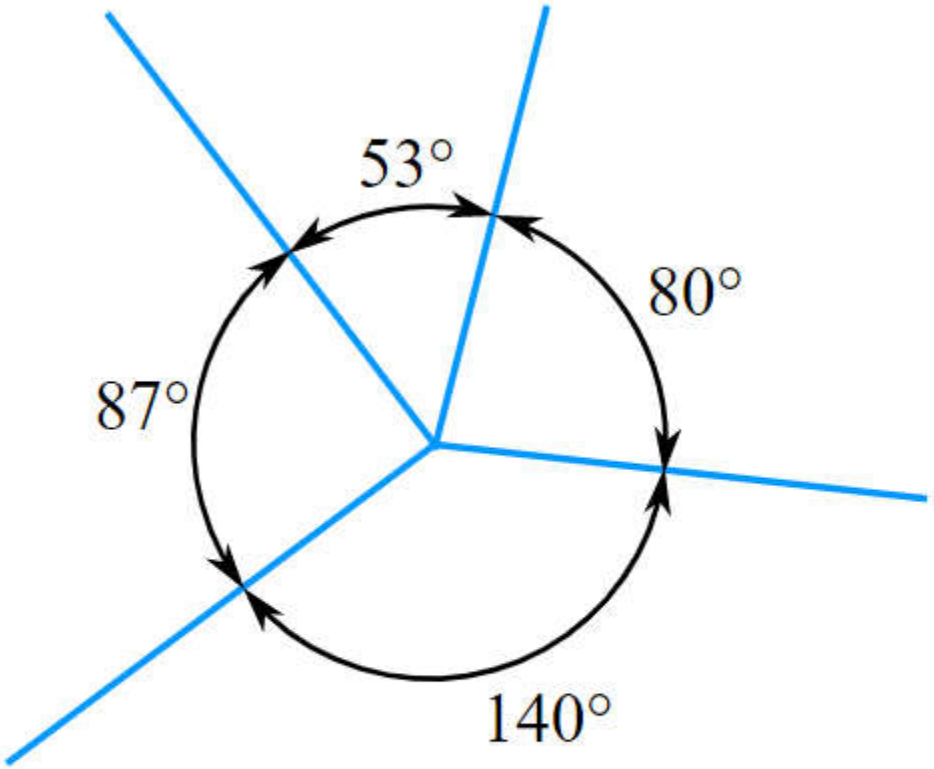
# Find b



# Calculate the missing angle in angles at a point



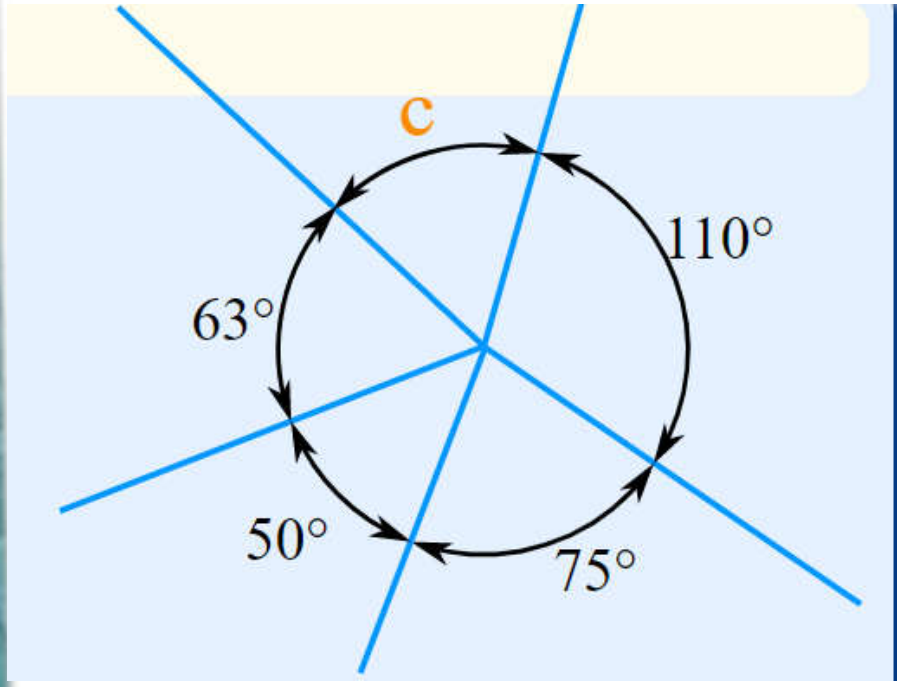

**a° + b° + c°+ d° + e° = Angles at a point (360°)**



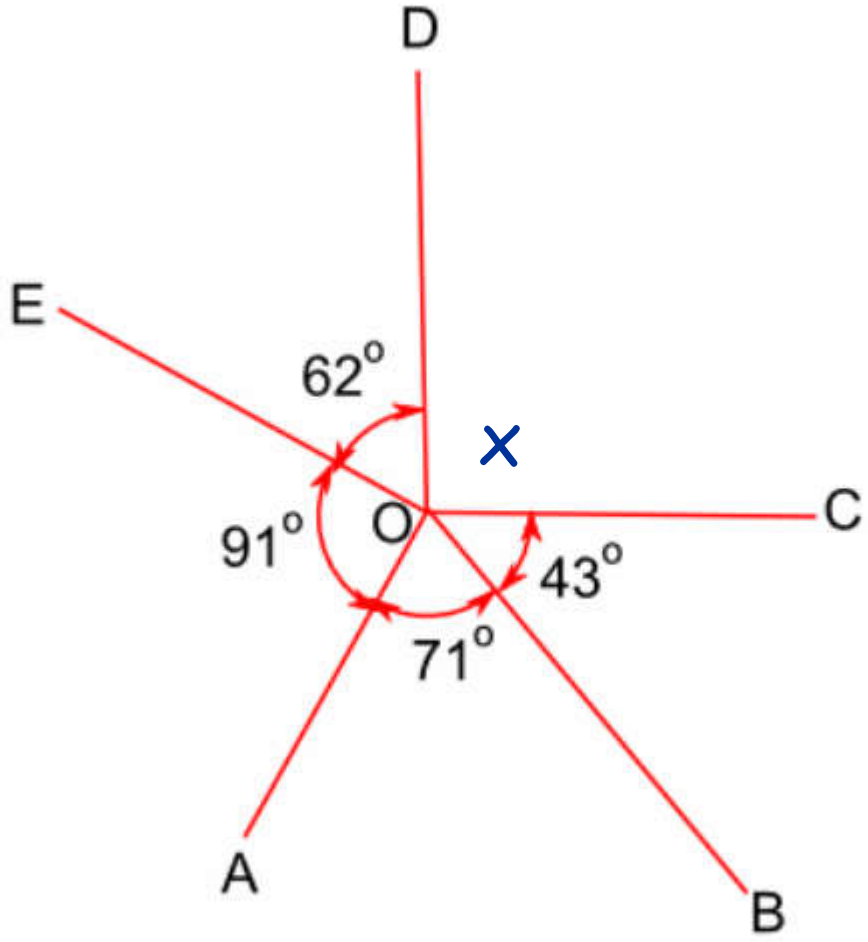

The angles above all add to 360°

$53° + 80° + 140° + 87° = 360°$

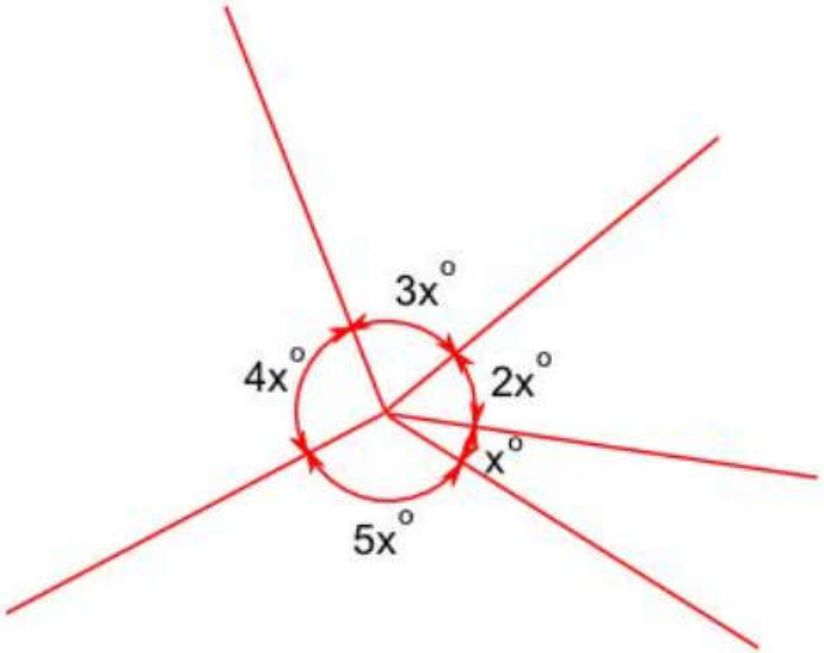
# Find c

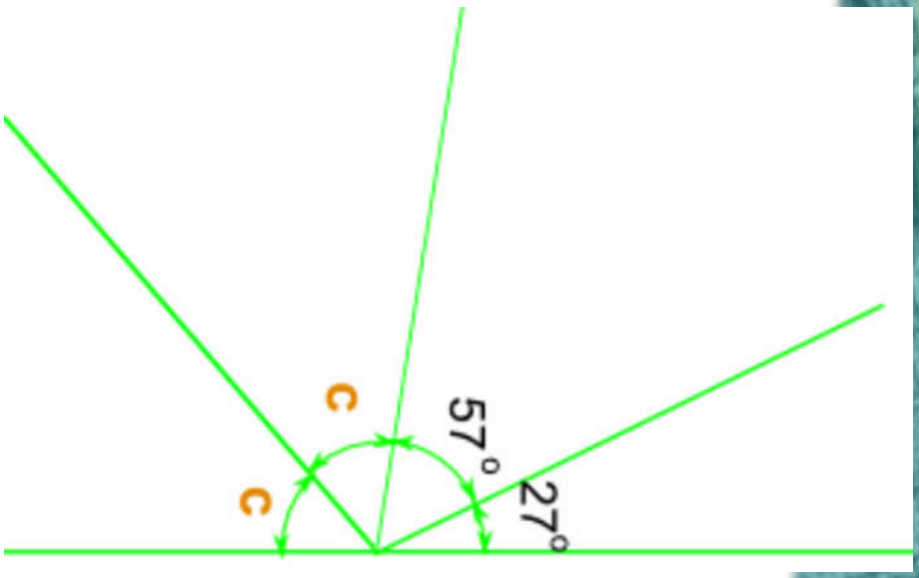


# Find x



# Assignment




The angles meeting at a point are: x°, 2x°, 3x°, 4x° and 5x°.
What is the size of the largest of these angles?