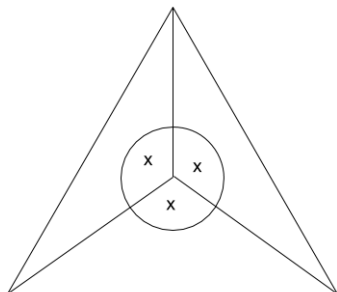


Q1 (Angles in Polygons) Day 157 Name: _____

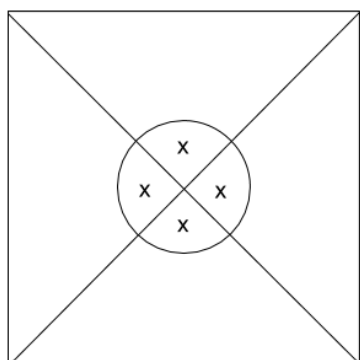
1. Look at the shape below. It is an **equilateral triangle**.



What is the size of angle x ? Write your answer in the space below.

_____°

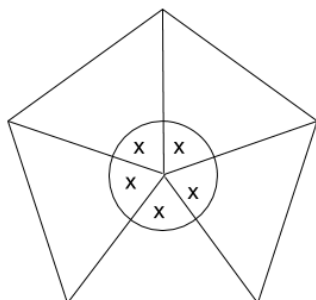
2. Look at the shape below. It is a **square**.



What is the size of angle x ? Write your answer in the space below.

_____°

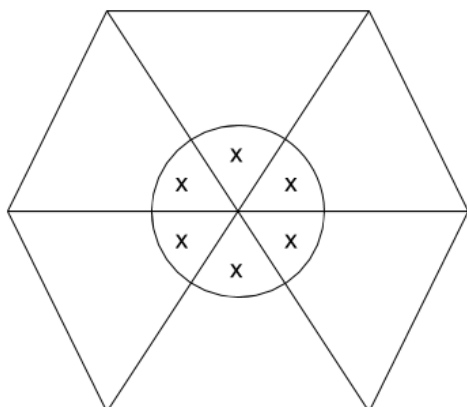
3. Look at the shape below. It is a **regular pentagon**.



What is the size of angle x ? Write your answer in the space below.

_____°

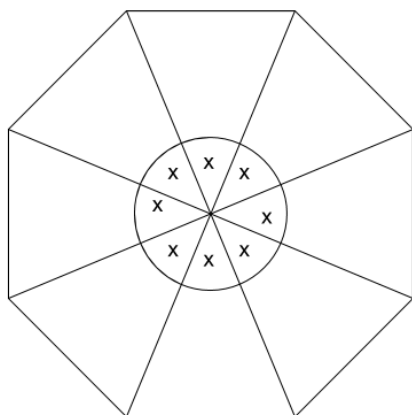
4. Look at the shape below. It is a **regular hexagon**.



What is the size of angle x ? Write your answer in the space below.

_____°

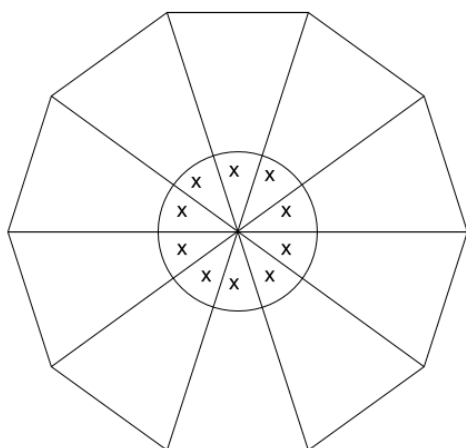
5. Look at the shape below. It is a **regular octagon**.



What is the size of angle x ? Write your answer in the space below to the nearest whole number.

_____°

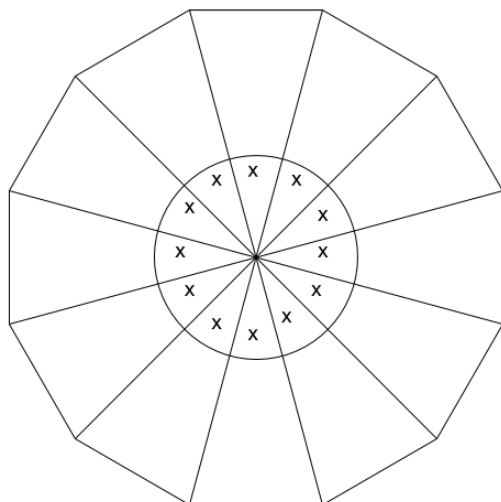
6. Look at the shape below. It is a **regular decagon**.



What is the size of angle x ? Write your answer in the space below.

_____°

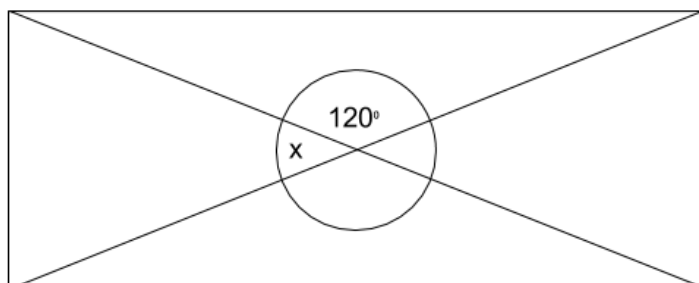
7. Look at the shape below. It is a **regular dodecagon**.



What is the size of angle x ? Write your answer in the space below.

_____°

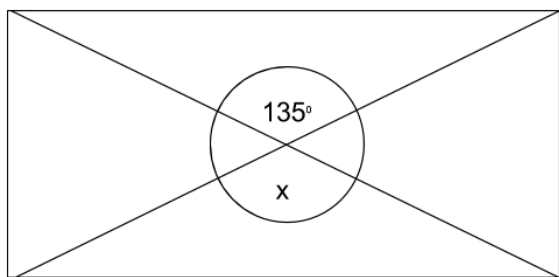
8. Look at the shape below. It is a **rectangle**.



What is the size of angle x ? Write your answer in the space below.

_____°

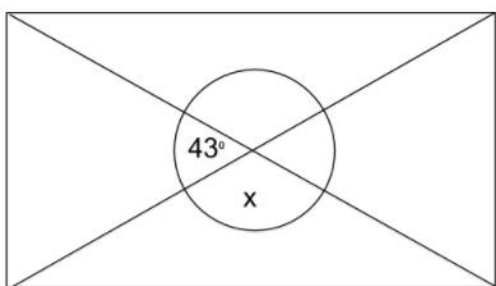
9. Look at the shape below. It is a **rectangle**.



What is the size of angle x ? Write your answer in the space below.

_____ ^o

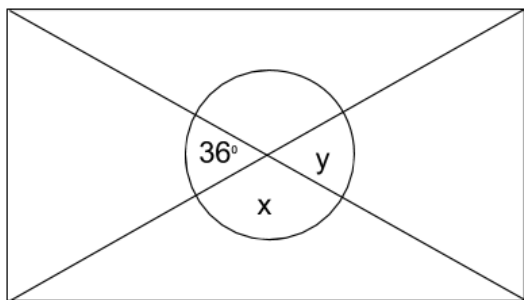
10. Look at the shape below. It is a **rectangle**.



What is the size of angle x ? Write your answer in the space below.

_____ ^o

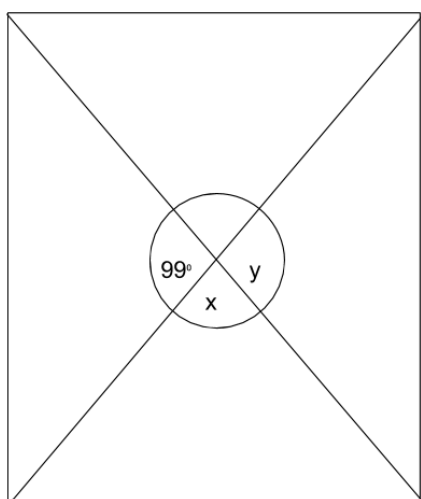
11. Look at the shape below. It is a **rectangle**.



What is the size of angle x and y ? Write your answer in the space below.

$$x = \underline{\hspace{2cm}}^\circ \quad y = \underline{\hspace{2cm}}^\circ$$

12. Look at the shape below. It is a **rectangle**.



What is the size of angle x and y ? Write your answer in the space below.

$$x = \underline{\hspace{2cm}}^\circ \quad y = \underline{\hspace{2cm}}^\circ$$

Answers**1. 120****2. 90****3. 72****4. 60****5. 45****6. 36****7. 30****8. 60****9. 135****10. 137****11. $x = 144$ $y = 36$** **12. $x = 81$ $y = 99$**