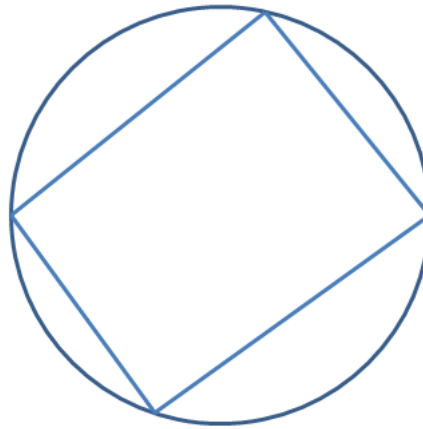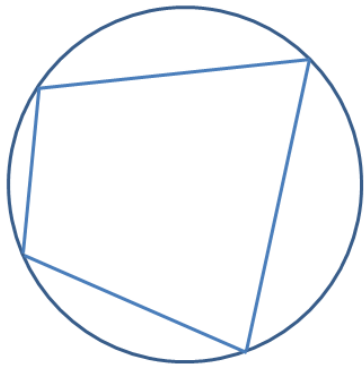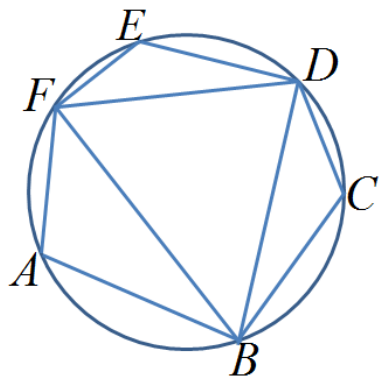1. Use a protractor to measure all the interior angles. What value do the opposite angles add up to?
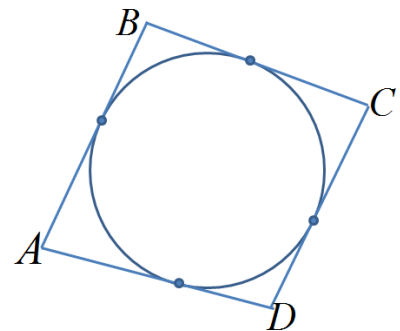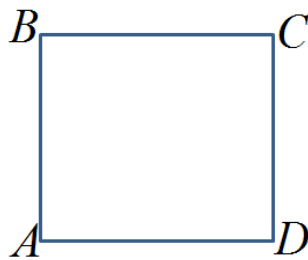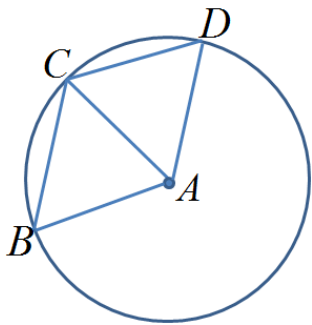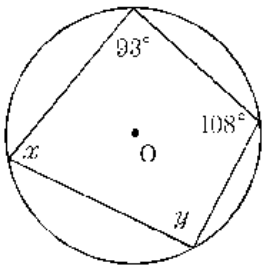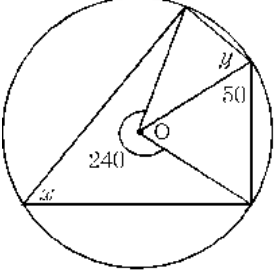
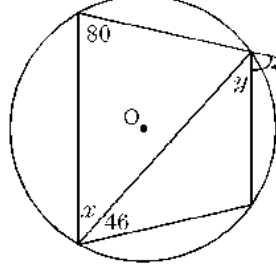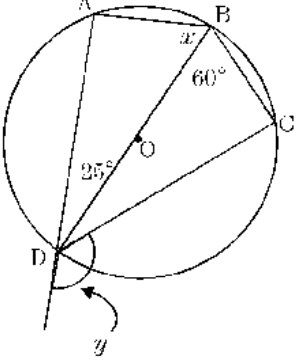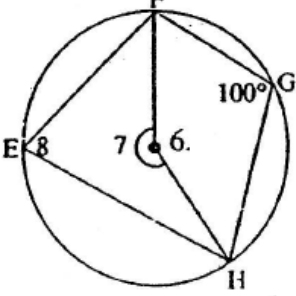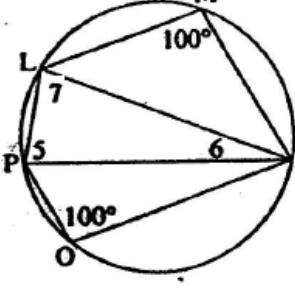2. What are the properties of a cyclic quadrilateral?

3. Given the following image, how many cyclic quadrilaterals can you name?
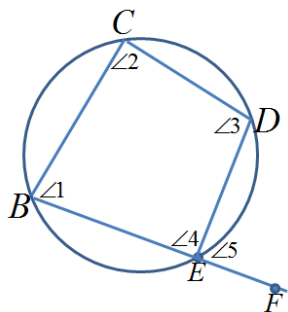
4. Which of the following are Cyclic Quadrilaterals. If not, state the reason why:

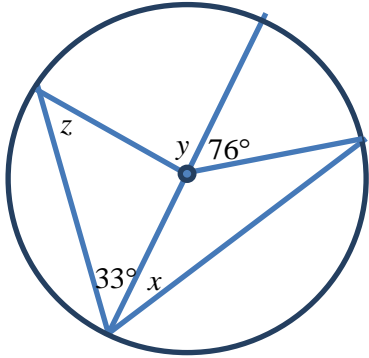5. Find the value of the missing angle "x"

a) $x =$ $y =$	b) $x =$ $y =$	c) $x =$ $y =$

d) $x =$ $y =$	e) $\angle 6 =$ $\angle 7 =$ $\angle 8 =$	f) $\angle 5 =$ $\angle 6 =$ $\angle 7 =$

6. Angle 5 is equal to which other angle in the diagram? Explain your answer:

7. Find the value of each of the following angles:

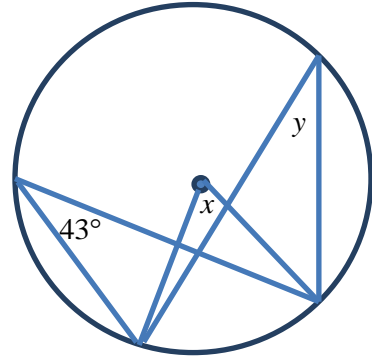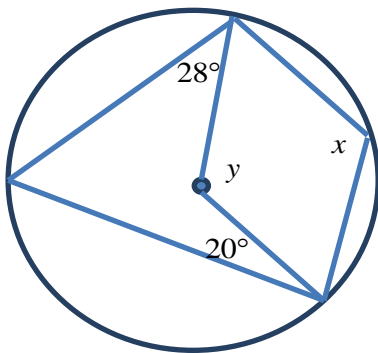i) ∠x =   ∠y =   ∠z =

ii) ∠x =   ∠y =   ∠z =
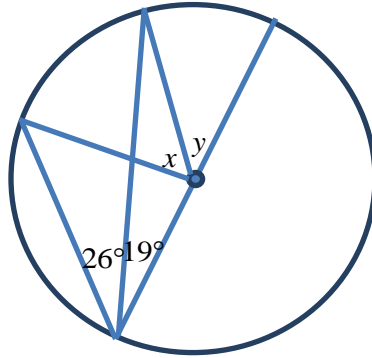
iii) ∠x =   ∠y =   ∠z =

iv) ∠x =   ∠y =

v) ∠x =
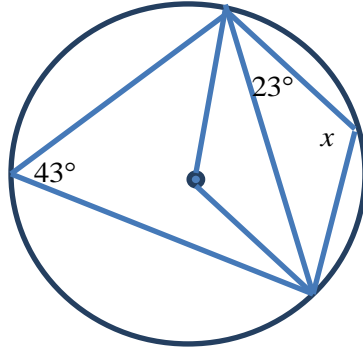
vi) ∠x =   ∠y =   ∠z =
    ∠t =   ∠v =

vii) ∠x =   ∠y =

viii) ∠x =   ∠y =   ∠z =

ix) ∠x =