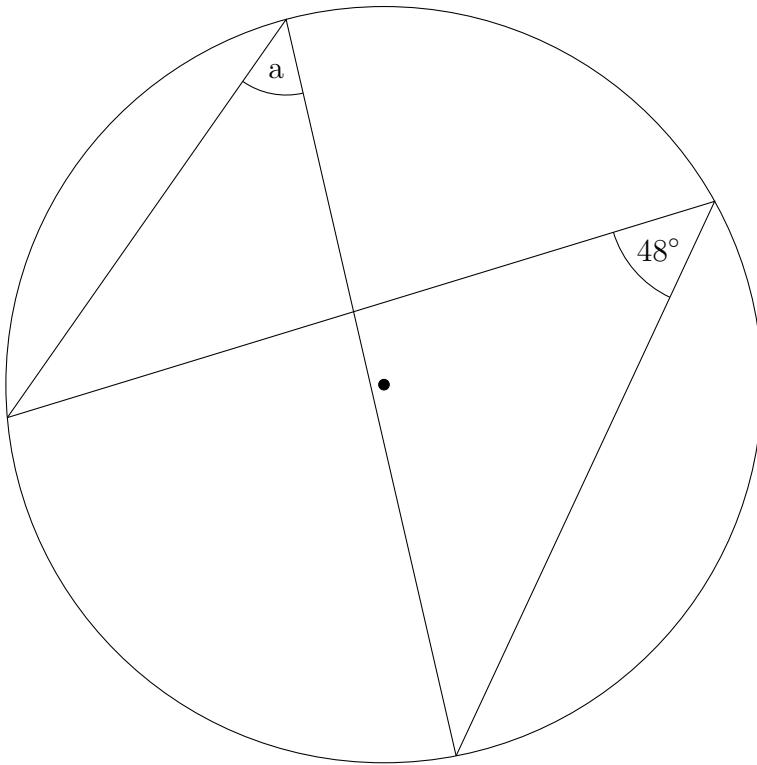


1. Write down the size of the angle marked with the letter a.

Give a reason for your answer.

{FYI ● is the centre of each circle}

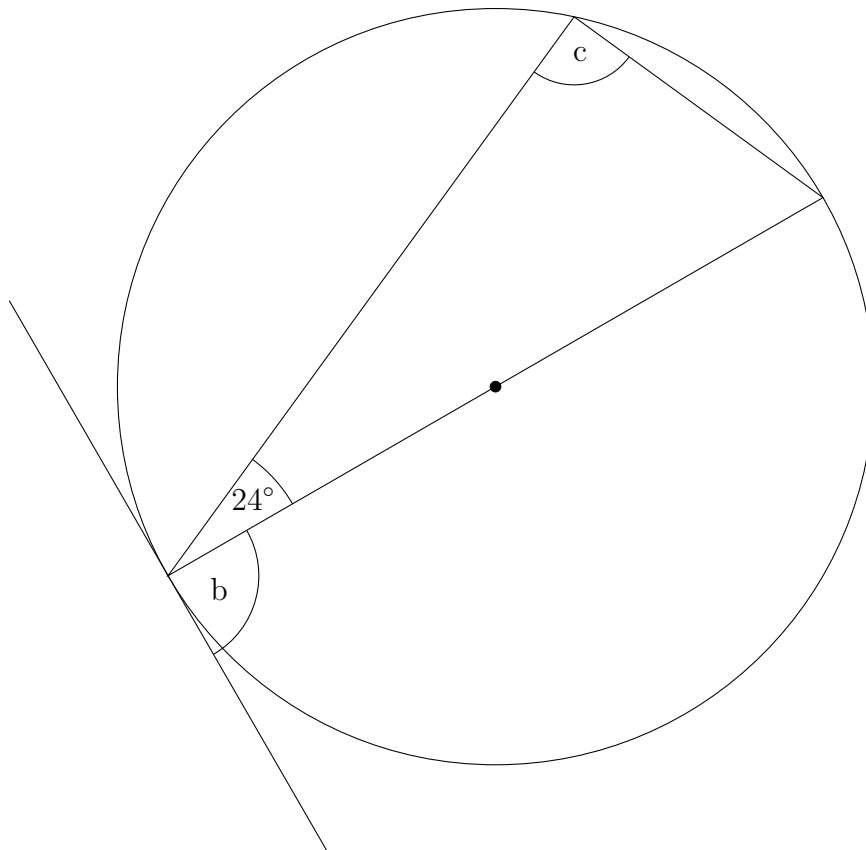


a = ° because

2. Write down the size of the angles marked with the letter b and c.

Give a reason for your answer.

{FYI ● is the centre of each circle}



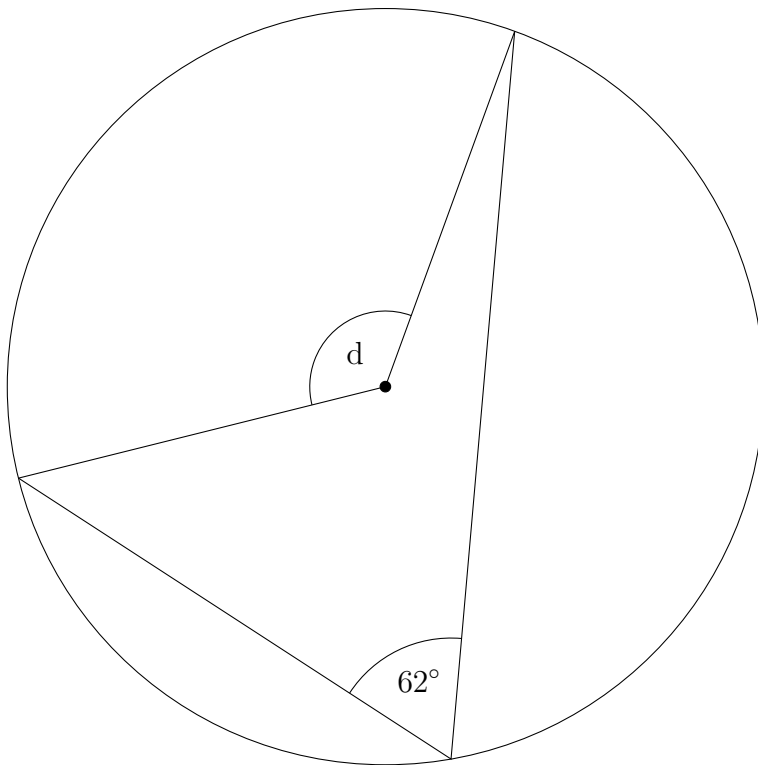
$b = \dots^\circ$ because

$c = \dots^\circ$ because

3. Write down the size of the angle marked with the letter d.

Give a reason for your answer.

{FYI ● is the centre of each circle}

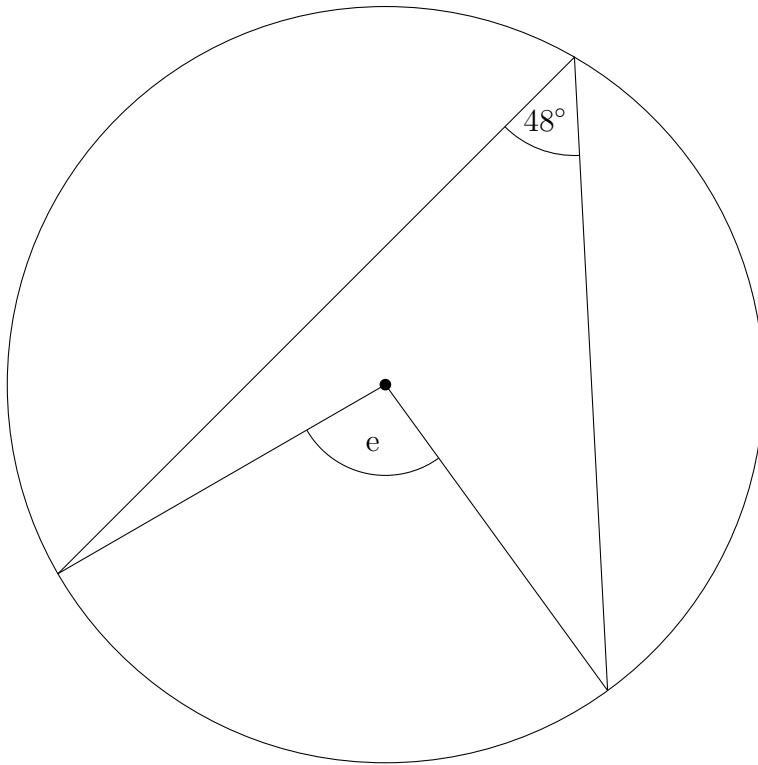


d = ° because

4. Write down the size of the angle marked with the letter d.

Give a reason for your answer.

{FYI ● is the centre of each circle}

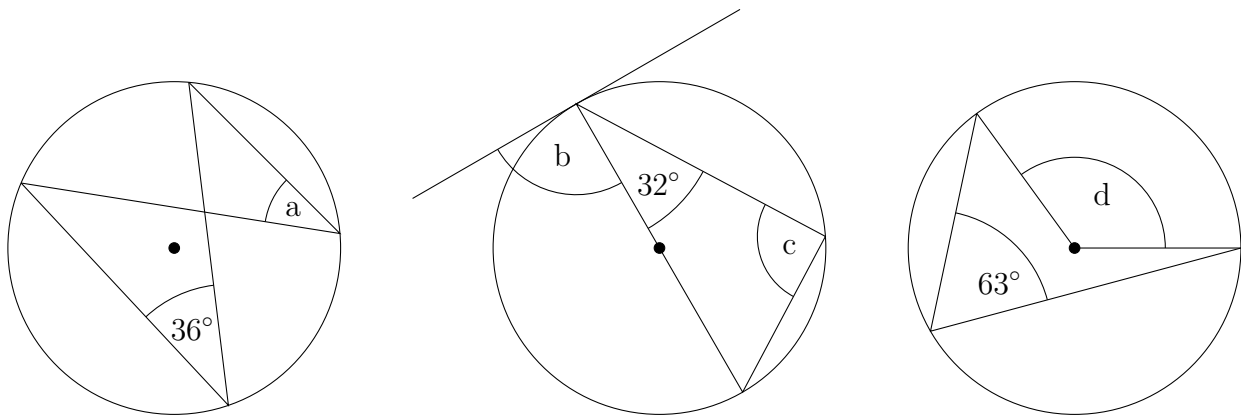


e = ° because

5. Write down the size of each angle marked with a letter.

Give a reason for each answer.

{FYI ● is the centre of each circle}



a = $^\circ$ because

b = $^\circ$ because

c = $^\circ$ because

d = $^\circ$ because

Answers

1. $a = 48$ because angles at the circumference from the same arc are equal

2. $b = 90$ because angle between tangent and radius $= 90^\circ$
 $c = 90$ because angle in a semicircle $= 90^\circ$

3. $d = 124$ because the angle at the centre is twice the angle at the circumference from the same arc

4. $e = 96$ because the angle at the centre is twice the angle at the circumference from the same arc

5. $a = 36$ because angles at the circumference from the same arc are equal
 $b = 90$ because angle between tangent and radius $= 90^\circ$
 $c = 90$ because angle in a semicircle $= 90^\circ$
 $d = 126$ because the angle at the centre is twice the angle at the circumference from the same arc