



Ano Letivo 2022/2023

Prof: Lígia Sousa

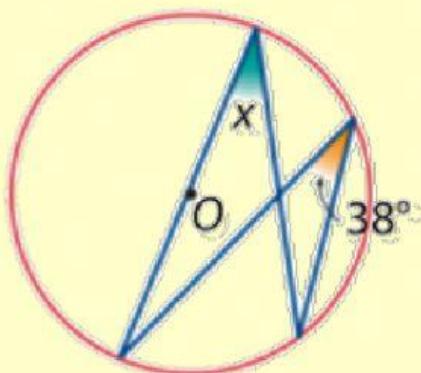
9º ANO

UNIDADE: "CIRCUNFERÊNCIA"

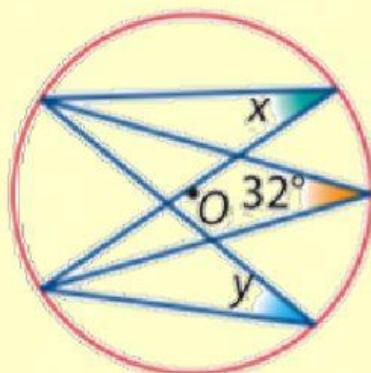
TAREFA: "GEOMETRIA DA CIRCUNFERÊNCIA"

**Tarefa 1**

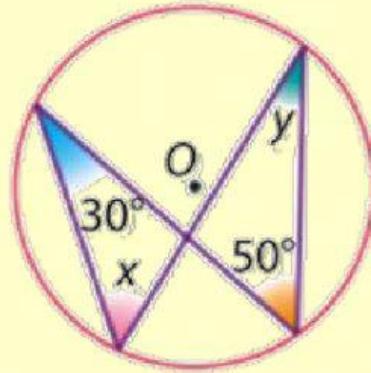
Para cada uma das figuras seguintes, determina a amplitude dos ângulos representados pelas letras.



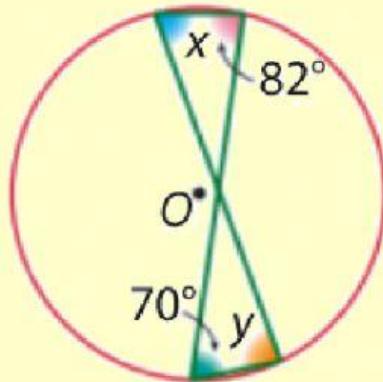
$$x =$$



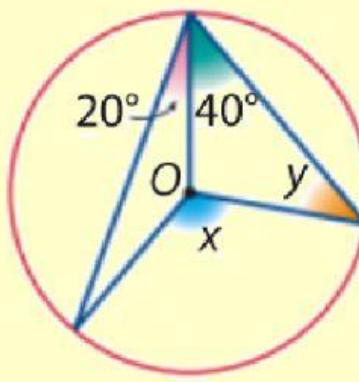
$$x = \quad \text{e } y =$$



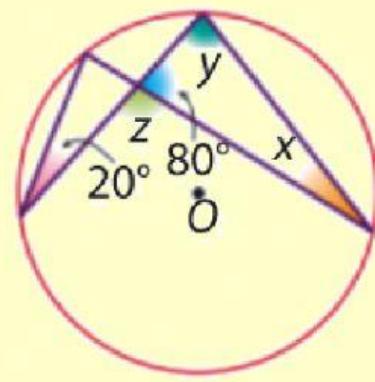
$$x = \quad \text{e } y =$$



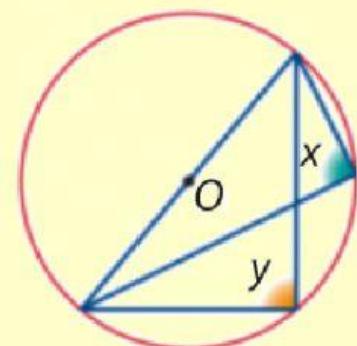
$$x = \quad \text{e } y =$$



$$x = \quad \text{e } y =$$

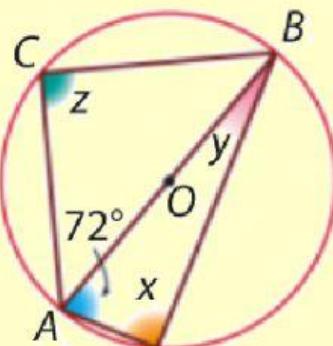


$$x = \quad \text{e } y = \quad \text{e } z =$$



$x =$

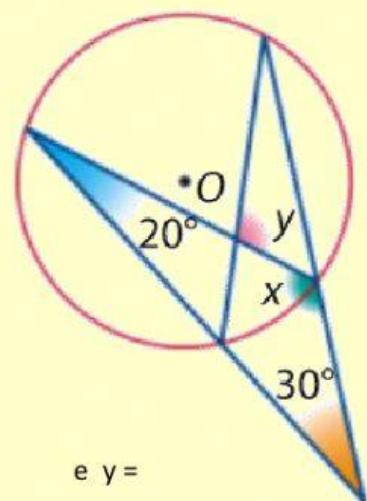
$e \ y =$



$x =$

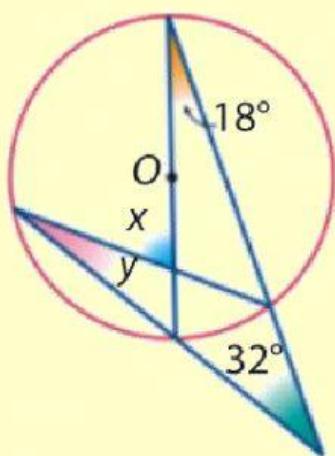
$e \ y =$

$e \ z =$



$x =$

$e \ y =$



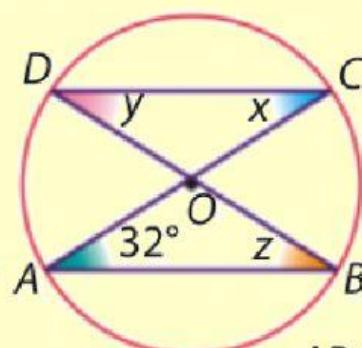
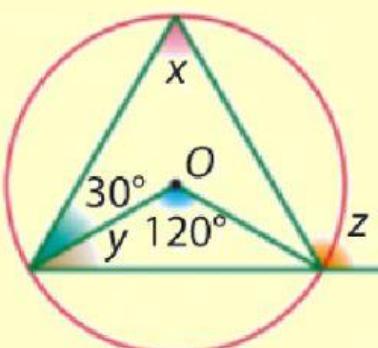
$x =$

$e \ y =$

$x =$

$e \ y =$

$e \ z =$



$AB // CD$

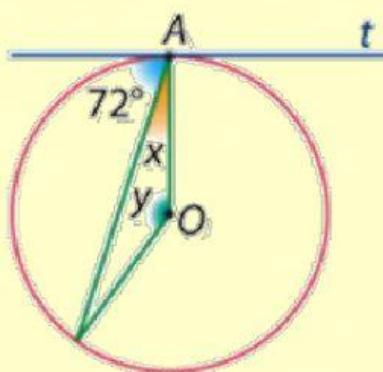
$x =$

$e \ y =$

$e \ z =$

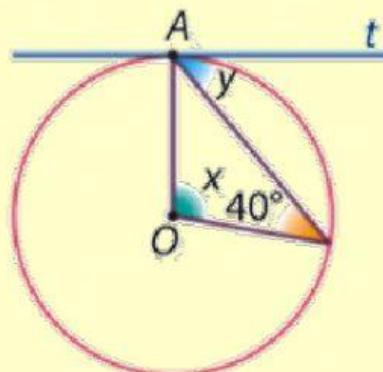
### Tarefa 2

Em cada uma das figuras seguintes está representada uma circunferência de centro O. A reta  $t$  é tangente à circunferência no ponto A. Determina x e y.



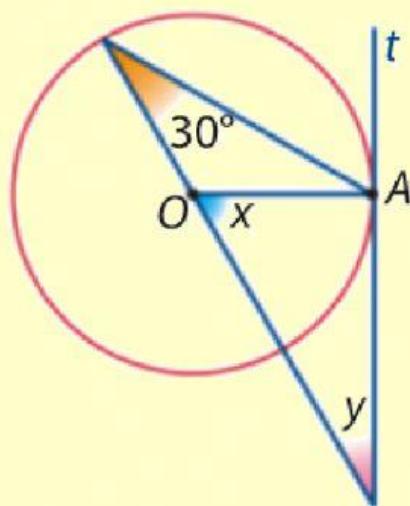
$x =$

$e \ y =$

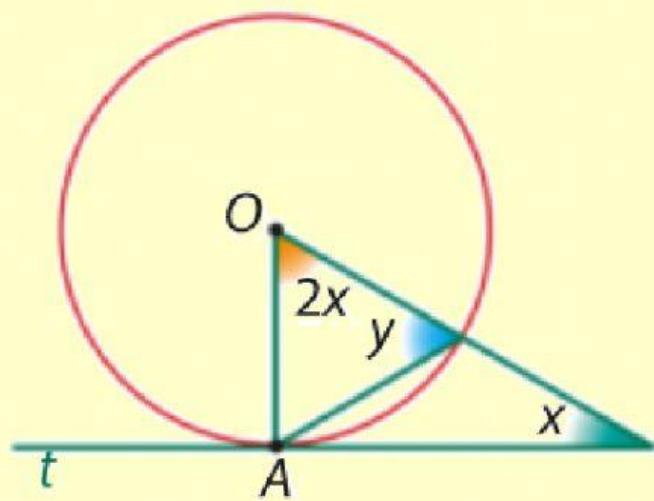


$x =$

$e \ y =$



$$x = \quad \text{e } y =$$

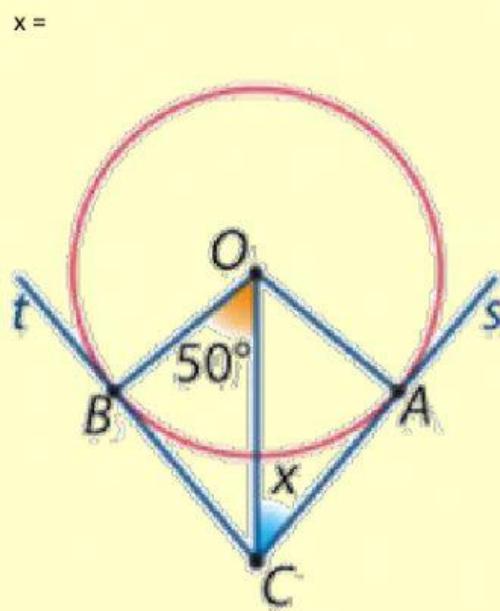


$$x = \quad \text{e } y =$$

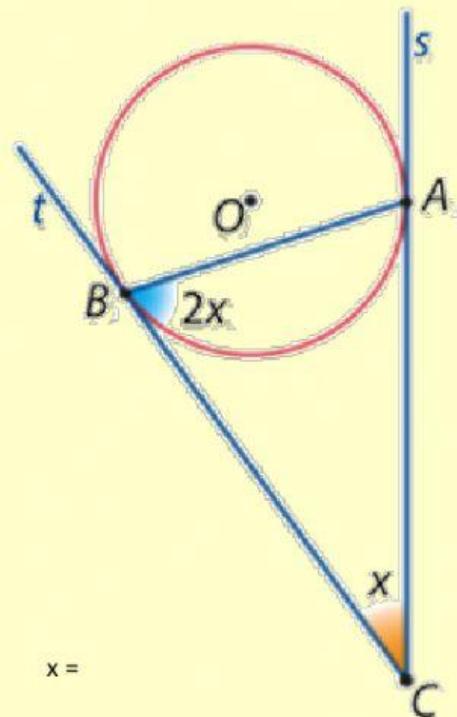
### Tarefa 3

Em cada uma das figuras, as retas  $s$  e  $t$  são tangentes à circunferência de centro  $O$  nos pontos  $A$  e  $B$ , respectivamente.

Determina  $x$ .



$$x =$$



$$x =$$

**BOM TRABALHO!**