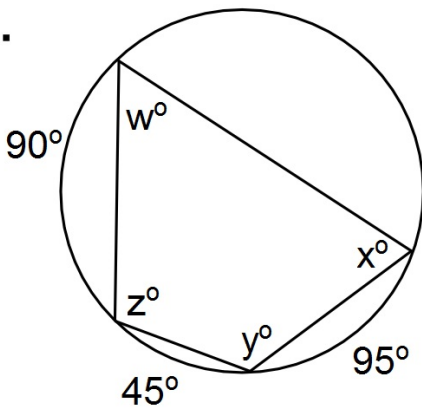


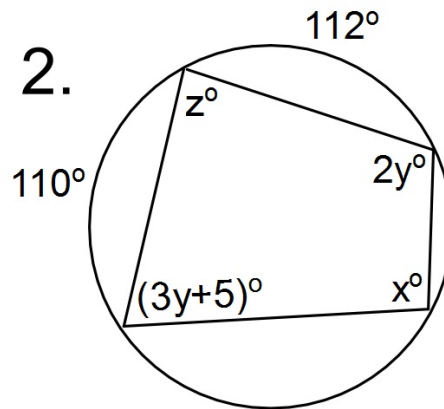
## Bellwork

Solve for the variables:

1.



2.



## Circumference

What is circumference?

The perimeter of a circle.

How do you find the circumference?

A.  $C = 2\pi r$

B.  $C = \pi d$

## Examples

Find the indicated measure:

1. Find the circumference of a circle with a radius of 20 inches.
2. Find the radius of a circle with circumference of 42 feet.
3. Find the diameter of a circle with a circumference of 25 centimeters.

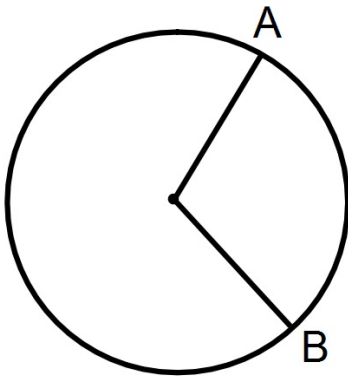
## Arc Length

What is arc length?

A portion of the circumference of a circle.

How do you find the arc length?

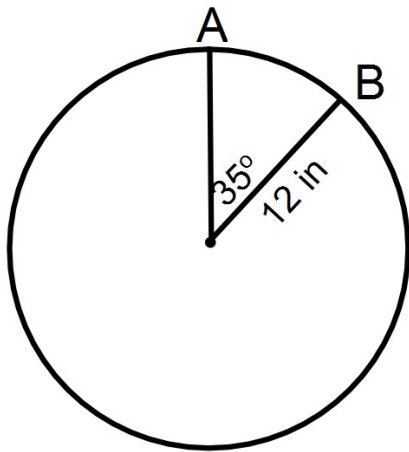
$$\text{Arc length of } \widehat{AB} = \frac{m\widehat{AB}}{360^\circ} \cdot 2\pi r$$



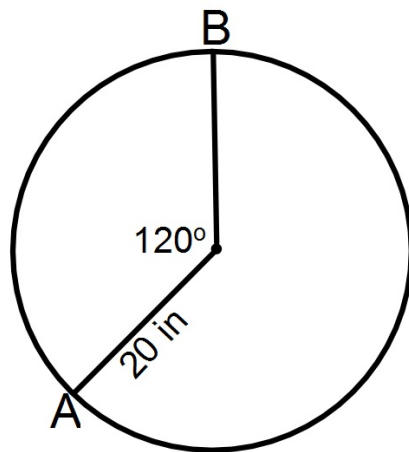
## Examples

Find the length of arc  $\widehat{AB}$  :

1.



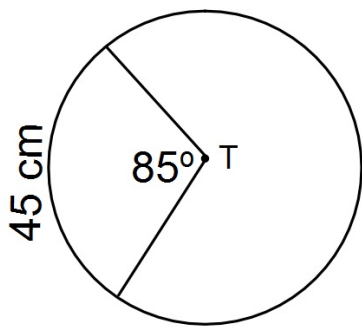
2.



## Examples

Find the indicated value:

3. Find the circumference of  $\odot T$ .



4. Find the  $m\widehat{AB}$ .

