Warm up   May 15, 2017
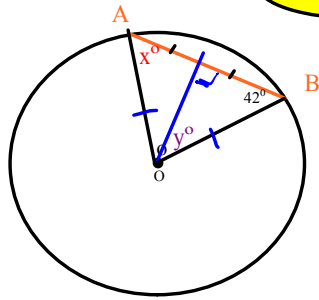
Determine the value of x° and y°
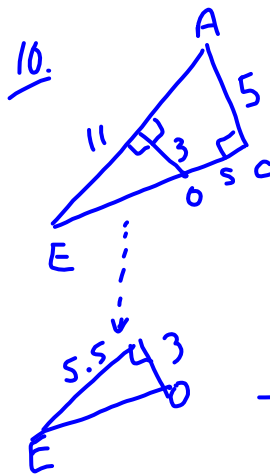SHOW YOUR WORK
(or give justification)

For X

$X = 42°$ Isosceles triangle

For Y

$y = 180 - 90 - 42$
$= 48°$

Homework
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10.

$a^2 = c^2 - b^2$
$EC^2 = 11^2 - 5^2$
$= 121 - 25$
$= 96$
$EC = \sqrt{96}$
$= 9.8$

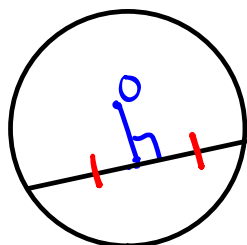$EO^2 = 5.5^2 + 3^2$
$= 30.25 + 9$
$= 39.25$
$EO = \sqrt{39.25}$
$= 6.3$

$S = 9.8 - 6.3$
$= 3.5$

Three characteristics...
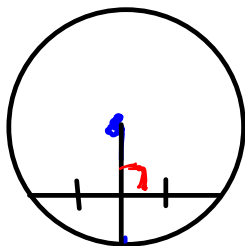
1. Bisects a chord

2. Meets chord at 90^0

3. Goes through the center of the circle

If you have two then the third is also true.

Three characteristics...

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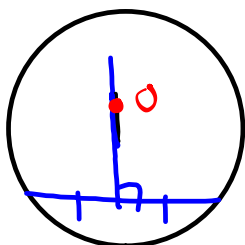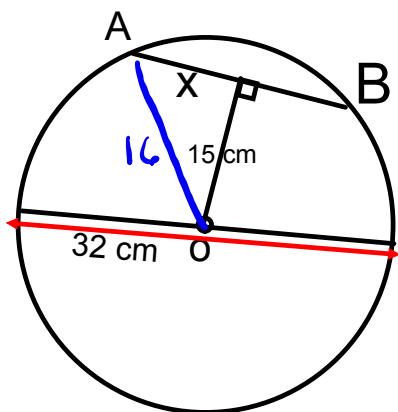1. Bisects a chord

2. Meets chord at 90^0

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If you have two then the third is also true.

A

X

B

16

15 cm

32 cm   O

Determine the length of x

SHOW YOUR WORK

$$a^2 = c^2 - b^2$$
$$x^2 = 16^2 - 15^2$$
$$= 256 - 225$$
$$= 31$$
$$x = \sqrt{31}$$
$$= 5.6 \, cm$$

Homework:
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1
2
3
4
5
6
7