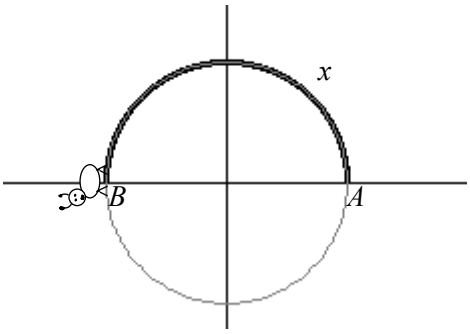
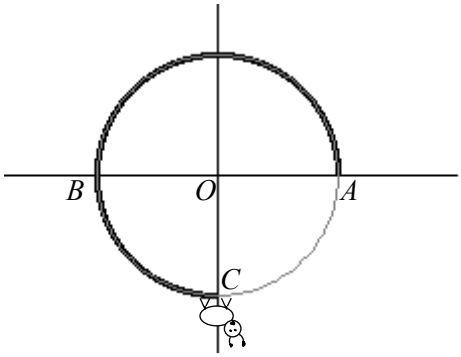
Bug on a Circular Track

Suppose a bug travels along the path of a circle.
We know that the distance from A to B is x units.



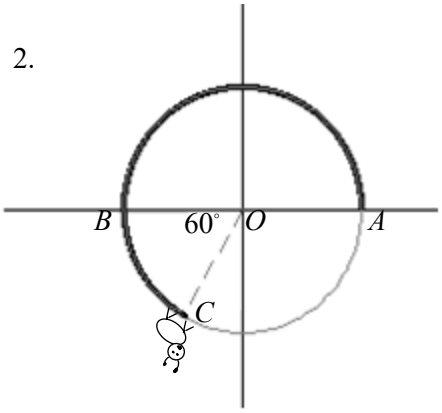
If the bug walks counterclockwise from A to C, express the distance the bug walks in terms of x.
What angle was spanned during the bug's trip?

1.



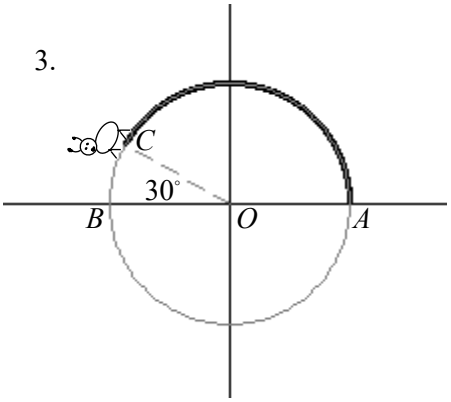
$m\overset{\frown}{ABC} =$ _____
What angle was spanned? _____ °

2.



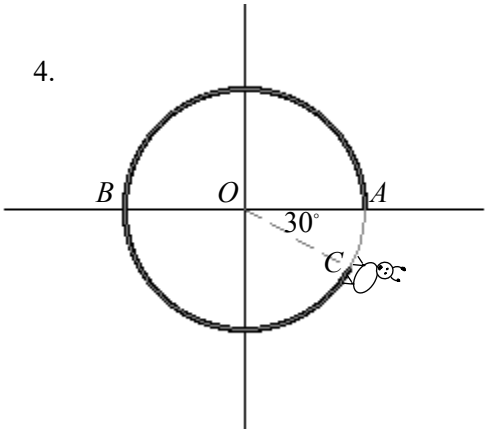
$m\overset{\frown}{ABC} =$ _____
What angle was spanned? _____ °

3.



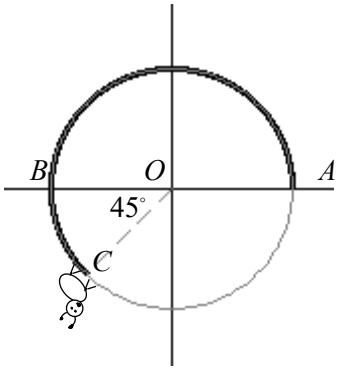
$m\overset{\frown}{AC} =$ _____
What angle was spanned? _____ °

4.



$m\overset{\frown}{ABC} =$ _____
What angle was spanned? _____ °

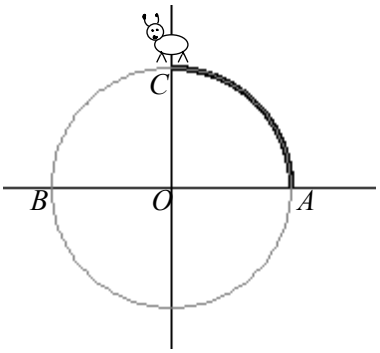
5.



$m\overset{\frown}{ABC} =$ _____
What angle was spanned? _____ °

Need more practice? Try the following. (Key is on Brightspace.)

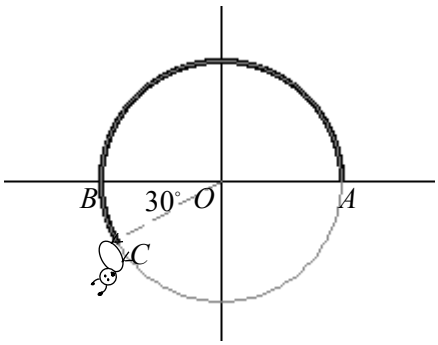
6.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°

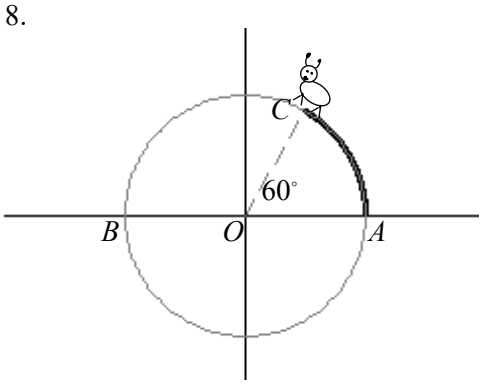
7.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°

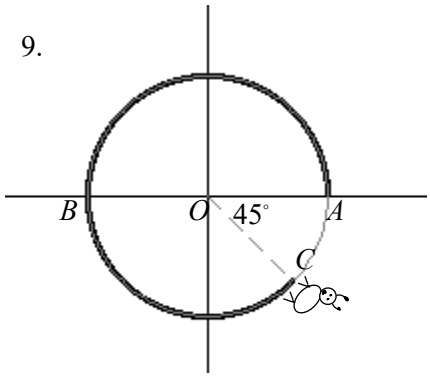
8.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°

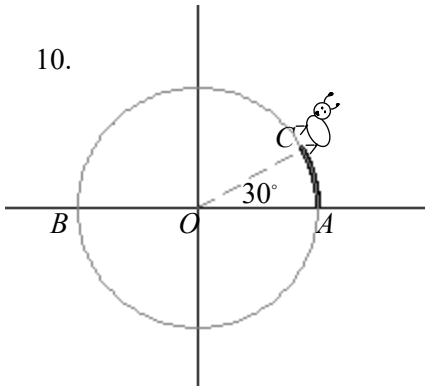
9.



$m\overset{\frown}{ABC}$ = _____

What angle was spanned? _____°

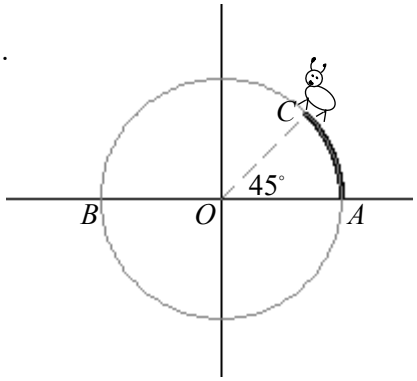
10.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°

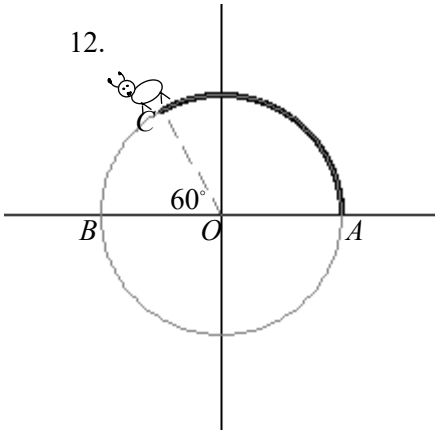
11.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°

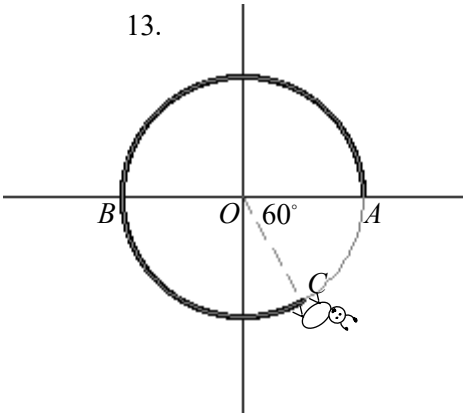
12.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°

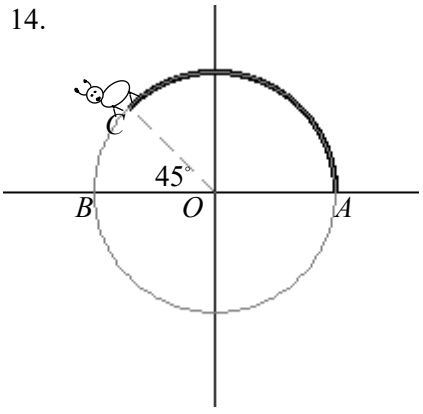
13.



$m\overset{\frown}{ABC}$ = _____

What angle was spanned? _____°

14.



$m\overset{\frown}{AC}$ = _____

What angle was spanned? _____°