

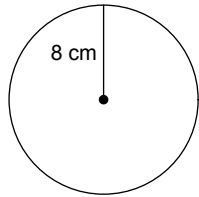
Day 2: Circumference, Area, Arc Length, and Sector Area Date _____

1) The _____ of a circle is the distance around the outside of the circle.

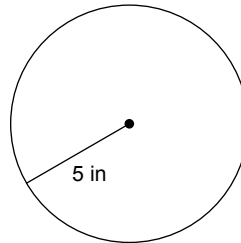
The formula to find the circumference is: _____

Find the circumference of each circle. List your answer A) exact form (leaving pi in your answer), and B) approximate form (using 3.14 for pi). Don't forget your units.

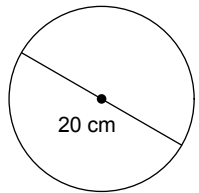
2)



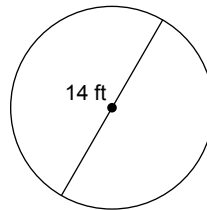
3)



4)



5)

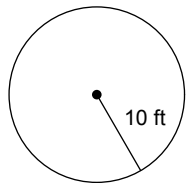


6) The _____ of a circle is the number of square units inside the circle.

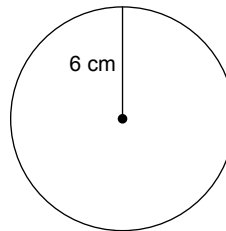
The formula to find the area is: _____

Find the area of each. List your answer A) exact form and B) approximate form. Don't forget units!

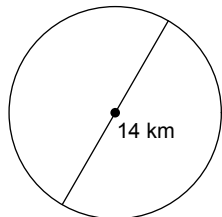
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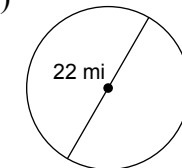
8)



9)



10)



Arc Measure vs Arc Length

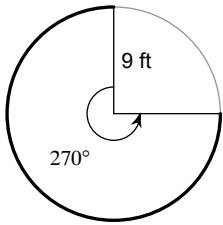
11) Arc _____ is measured in degrees. Arc _____ is measured in units.

To find Arc Length:

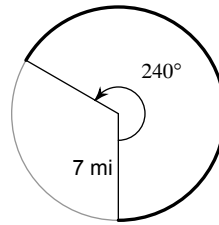
- Calculate the CIRCUMFERENCE
- Find the fraction of the circle the arc represents (put the angle measure over 360)
- Multiply the circumference by the fraction

Find the length of each arc. List your answer A) exact form, and B) approximate form. Don't forget units.

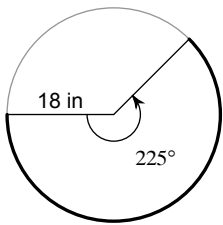
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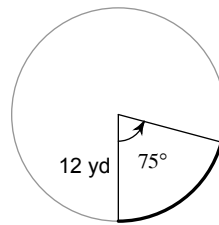
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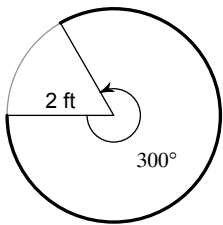
14)



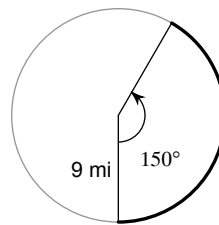
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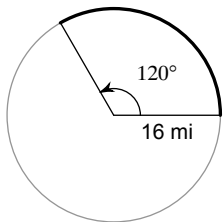
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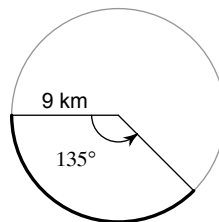
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18)



19)



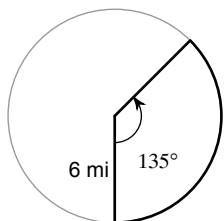
20) Sector Area of a circle is _____

To find the sector area:

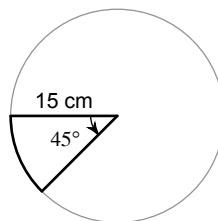
- Find the AREA of the entire circle
- Find the fraction of the circle the section represents (put the angle measure over 360)
- Multiply the area by the fraction

Find the area of each sector. List your answer A) exact form and B) approximate form. Don't forget units.

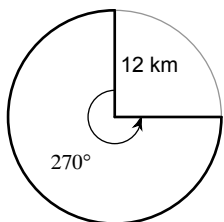
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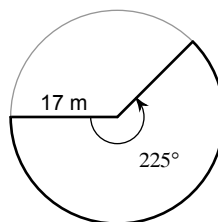
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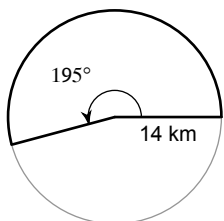
23)



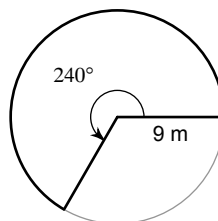
24)



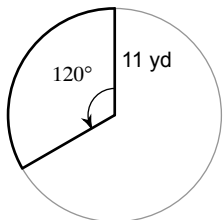
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26)



27)



28)

