**Area of Sectors and Segments Notes- ACC**

Find the area of the shaded region.

Sectors: Example 1:



Example 2: Example 3:



Segments: Example 1:





Example 2: Example 3:





Example 4:



**Area of Sectors and Segments HW- ACC**

Find the area of the shaded region. Show in terms of pi and round to the nearest hundredth.



1. 2.







3. 4.





5. 6.



7. 8.

9. 10.

11. r=8cm 12. R = 12m, r = 9m



Find the missing variable.

13. The shaded area is 12cm2. Find r. 14. The shaded area is 32cm2. Find r.



|  |  |  |
| --- | --- | --- |
| 15. The shaded area is 120cm2 and the radius is 24cm. Find x.  |  | 16. The shaded area is 10 cm2. The radius of the large circle is 10 cm and the radius of the small circle is 8 cm. Find x.  |

