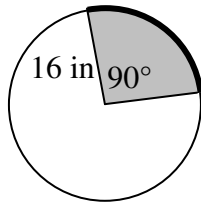


Arc Length-Sector Area

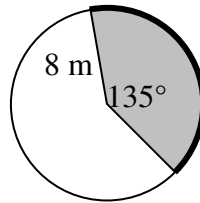
Name: _____

8. Calculate the sector area:

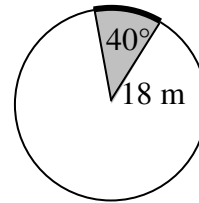
a.



b.



c.



9. The area of a circle is 225π square inches. Find the area of the sector whose central angle is 45° .

10. The central angle of a sector is 60° and the area of the circle is 144π . What is the area of the sector?

11. A circle has a radius of 12. Find the area of the sector whose central angle is 120° .

12. Find the radius of a circle which has a sector area of 9π whose central angle is 90° .

13. The central angle of a sector is 72° and the sector has an area of 5π . Find the radius.

14. Find the measure of the central angle of a sector if its area is 5π and the radius is 6.