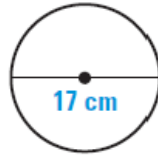


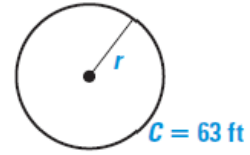
1. Find the circumference.



2. Find the circumference.



3. Find the radius.

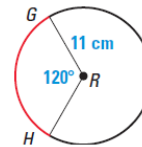
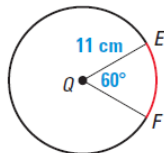
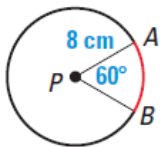


1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. Find the length of each indicated arc.

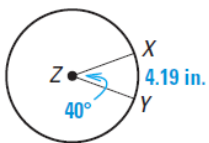


A.L. of  $\widehat{AB}$  = \_\_\_\_\_

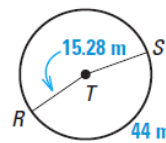
A.L. of  $\widehat{EF}$  = \_\_\_\_\_

A.L. of  $\widehat{GH}$  = \_\_\_\_\_

5. Find circumference of  $\odot Z$ .



6. Find  $m\angle RTS$ .

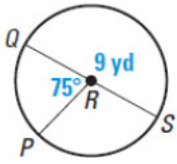


5. \_\_\_\_\_

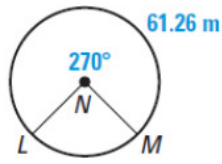
6. \_\_\_\_\_

Find the indicated measure.

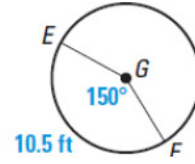
7. Arc Length of  $\widehat{PQ}$ .



8. Circumference of  $\odot N$ .



9. Radius of  $\odot G$ .



7. \_\_\_\_\_

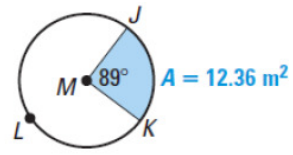
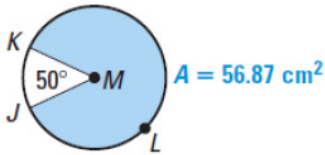
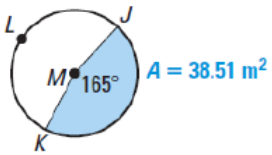
8. \_\_\_\_\_

9. \_\_\_\_\_

10. Find the radius.

11. Find the radius.

12. Find the radius.



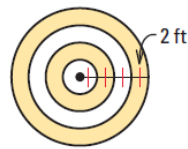
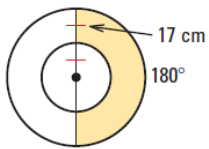
10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_

13. Find the area of the shaded region.  
(Note: the radius of the entire diagram is 34cm)

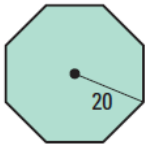
14. Find the area of the shaded region.  
(Note: the radius of the entire diagram is 8cm)



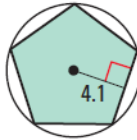
13. \_\_\_\_\_

14. \_\_\_\_\_

15. Find the perimeter and area of the regular polygon.



16. Find the perimeter and area of the regular polygon.



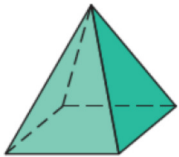
15. \_\_\_\_\_

16. \_\_\_\_\_

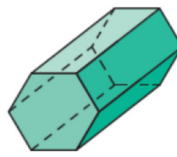
17. A polyhedron has 8 vertices and 12 edges. How many faces does the polyhedron have?

18. Name the solids shown below. Determine the number of faces, vertices, and edges.

a.



b.



Name \_\_\_\_\_ Faces \_\_\_\_\_

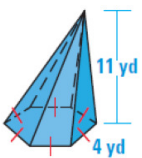
Name \_\_\_\_\_ Faces \_\_\_\_\_

Vertices \_\_\_\_\_ Edges \_\_\_\_\_

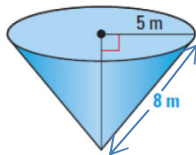
Vertices \_\_\_\_\_ Edges \_\_\_\_\_

19. Classify and find the volume of the solid.

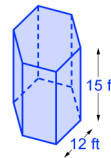
a.



b.



c.



Name \_\_\_\_\_

Name \_\_\_\_\_

Name \_\_\_\_\_

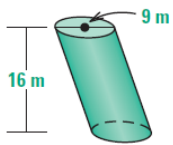
Volume \_\_\_\_\_

Volume \_\_\_\_\_

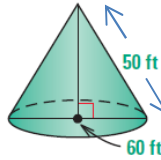
Volume \_\_\_\_\_

20. Classify and find the volume of the figure.

a.



b.



Name \_\_\_\_\_

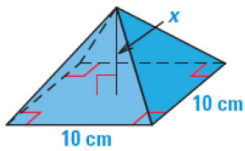
Name \_\_\_\_\_

Volume \_\_\_\_\_

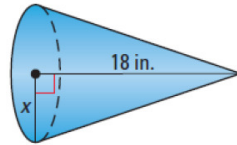
Volume \_\_\_\_\_

In problems 21 and 22 find the value of  $x$ .

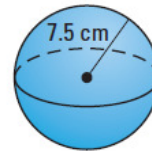
21. Volume  $5200 \text{ cm}^3$



22. Volume  $5216\pi \text{ in}^3$



23. Find the volume of the sphere.



$x =$  \_\_\_\_\_

$x =$  \_\_\_\_\_

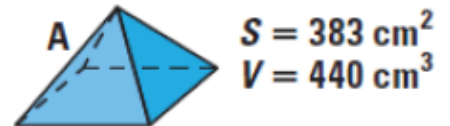
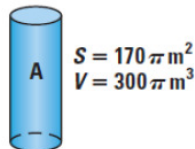
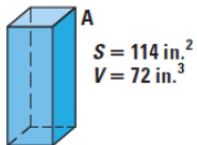
Volume \_\_\_\_\_

Solid A (shown) is similar to Solid B (not shown) with the given scale factor of A to B. Find the surface area and volume of Solid B.

24. Scale factor of 1:2

25. Scale factor of 3:1

26. Scale factor of 5:2



S.A. = \_\_\_\_\_

S.A. = \_\_\_\_\_

S.A. = \_\_\_\_\_

V = \_\_\_\_\_

V = \_\_\_\_\_

V = \_\_\_\_\_