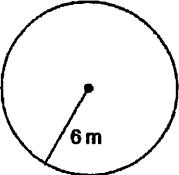
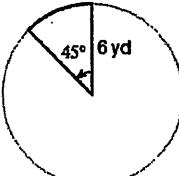
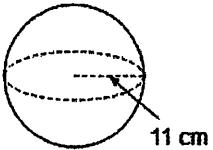
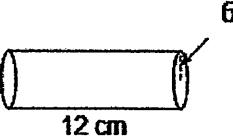
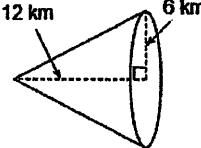
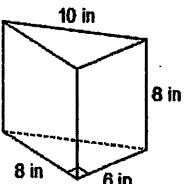
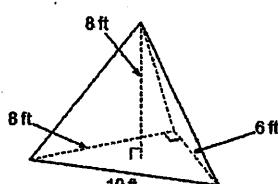
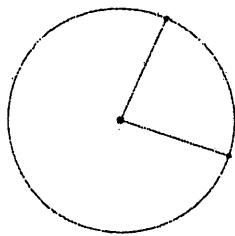


Formulas for Area and Volume

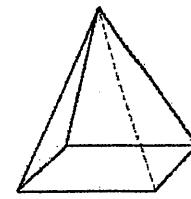
| | <u>Picture</u> | <u>Examples</u> |
|-------------------------------------|---|-----------------|
| Area of a Circle |  | |
| Area of a Sector of a Circle |  | |
| Volume of a Sphere |  | |
| Volume of a Cylinder |  | |
| Volume of a Cone |  | |
| Volume of a Prism |  | |
| Volume of a Pyramid |  | |

Vocabulary

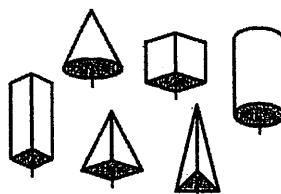
Sector of a Circle



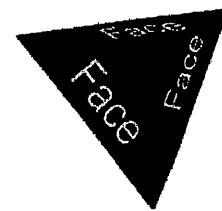
Vertex



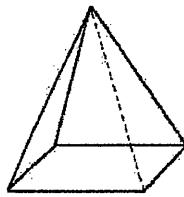
Base



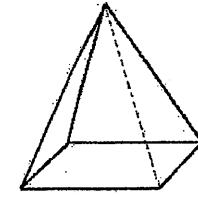
Lateral Faces



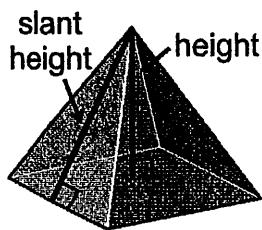
Base Edges



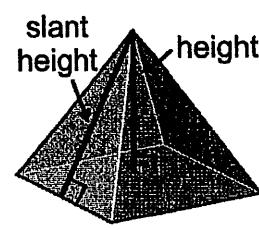
Lateral Edges



Altitude (Height)



Slant Height



Right Solid



Oblique Solid

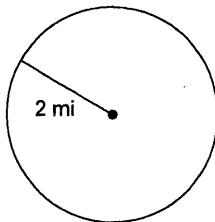


Geometry

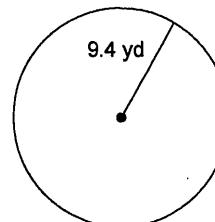
11-3 Area of Circles and Sectors

Find the area of each. Use your calculator's value of π . Round your answer to the nearest tenth.

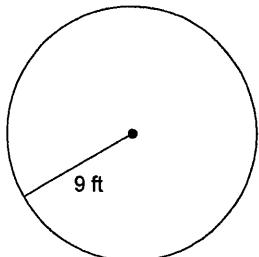
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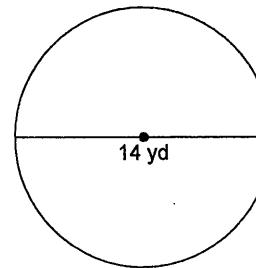
2)



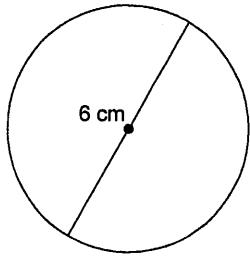
3)



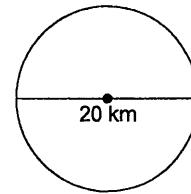
4)



5)

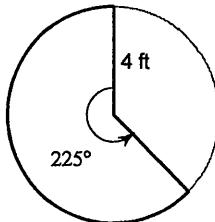


6)



Find the area of each sector. Leave answers in exact form.

7)



8)

