

Name _____

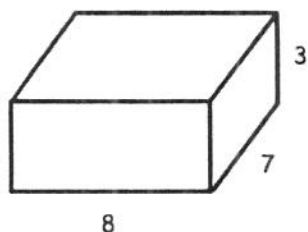
Date _____

Period _____

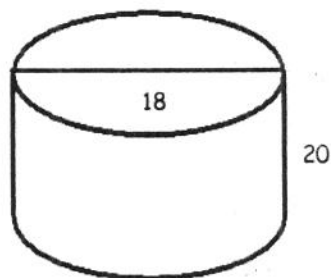
Review- Chapter 11 Solids

Find Lateral Area, Surface Area, and Volume of each of the following. Round answers to the nearest hundredth.

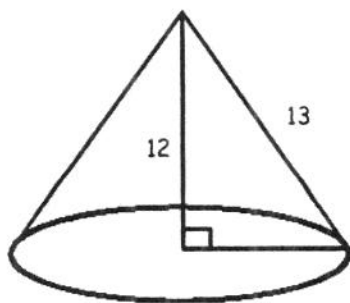
1.



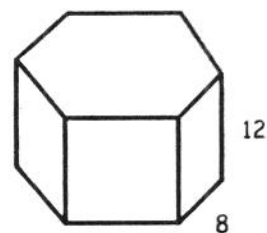
2.



3.

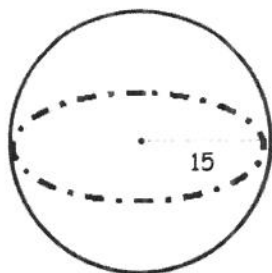


4.

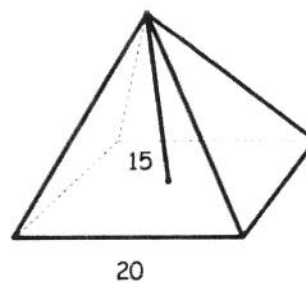


(regular hexagons)

5.



6.



(square base)

7. Find the lateral area of a regular pentagonal pyramid with base edges of 20 meters and slant

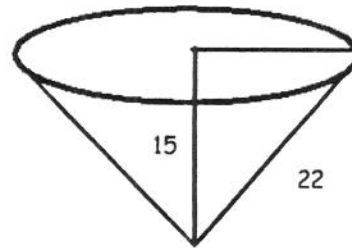
7. Find the Lateral area of a regular pentagon pyramid with base edges of 20 meters and slant height of 14 meters.

8. Find the radius of a cylinder whose height is 8 and lateral area is 552.64.

9. If the surface area of a cone is 703.72 and the lateral area 549.78, find the length of the radius.

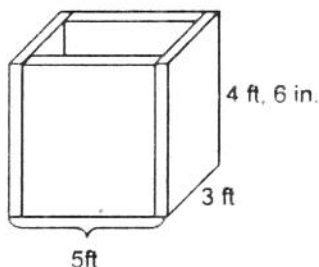
10. A pyramid has a base area of 54 cm^2 and a volume of 108 cm^3 . Find the length of the altitude of the pyramid.

11. A food vendor sells popcorn in a cone shaped paper cup. Given the dimensions of the cone shown in the figure, about how many cups of popcorn will the cone hold?
(1 cup holds about 14.4 in^3)

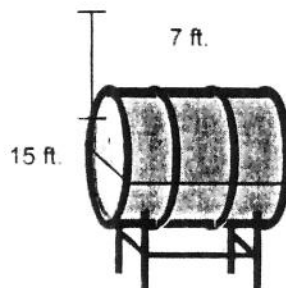


12. How many quarts of paint would it take to paint each of the following if one quart of paint will cover 35 ft^2 .

a. only the lateral faces of the planter



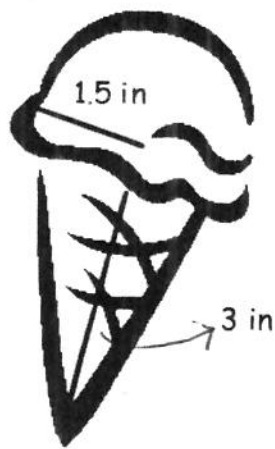
b. the outside of the BBQ pit



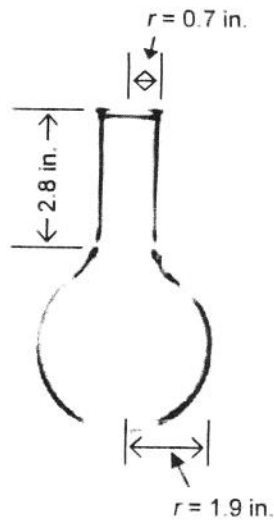
c. the surface of the sphere



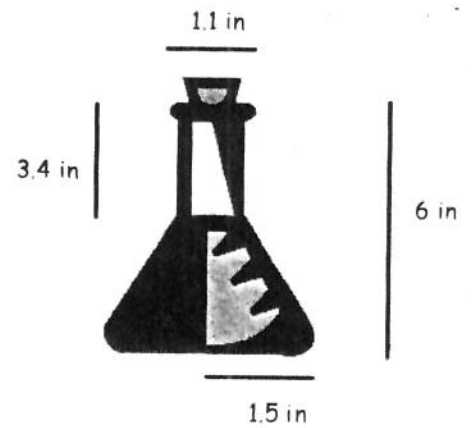
13. What 2 solids are the following figures made up of?



a.



b.



c.

14. Find the volume of each of the above figures

equations:

answers:
