Name _____ **Hour** _____

Make a sketch of the solid and label the indicated measures. Find the volume of the solid.

1. Rectangular prism with a length of 6 cm, a width of 5 cm, and a height of 10 cm.

2. Cone with a radius of 6 in. and a height of 18 in.

3. Regular triangular pyramid with a base edge of 8 cm and a height of 12 cm.

4. Sphere with a radius of 9 ft.

5. Cylinder with a radius of 10 cm and a height of 12 cm.

6. Cone with a diameter of 16 in. and a height of 6 in.

7. Triangular prism whose base is an equilateral triangle with sides of 10 in; the height of the prism is 15 in.

8. Cylinder with a diameter of 10 mm and a height of 30 mm.

9. Sphere with a diameter of 6 m.

10. Square pyramid with a base edge of 12 mm and a slant height of 10 mm.

Make a sketch of the solid and label the indicated measures. Find the length of the indicated measure.

11. A cylinder has a volume of 5625π mm^3 and a radius of 15 mm. Find the height of the cylinder.

12. A rectangular pyramid has a volume of 160 cm^3 with base edges of 8 cm and 5 cm. Find the height of the pyramid.

13. A rectangular prism has a volume of 1200 in^3 with a length of 10 in and a height of 15 in. Find the width of the prism's base.

14. A cone has a volume of 300π ft^3 and a height of 9 ft. Find the radius of the cone.

15. A sphere has a volume of 4500π in^3. Find the radius of the sphere.

16. A square pyramid has a volume of 25 m^3 and a base edge of 5 m. Find the height of the pyramid.

17. A cylinder has a volume of 405π cm^3 and a height of 5 cm. Find the diameter of the cylinder.

18. A cube has a volume of 1728 mm^3. Find the length of an edge.

19. A sphere has a volume of 2304π ft^3. Find the diameter of the sphere.

20. A cone has a volume of 1500π mm^3 and a radius of 15 mm. Find the slant height of the cone.