Name _____ **Hour** _____

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

1. Cylinder with a radius of 5 ft and a height of 8 ft.

2. Cube with an edge of 7 cm.

3. Cone with a radius of 10 mm and a slant height of 12 mm.

4. Square pyramid with a base edge of 18 in and a slant height of 12 in.

5. Rectangular prism with a length of 5 in, a width of 6 in, and a height of 8 in.

6. Cylinder with a diameter of 20 mm and a height of 12 mm.

7. Regular triangular pyramid with a base edge of 10 cm and a slant height of 13 cm.

8. Sphere with a diameter of 14 ft.

9. Square pyramid with a base edge of 8 in and a height of 3 in.

10. Cone with a radius of 12 m and a height of 5 m.

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

11. A cone has a surface area of 189π ft^2 and a radius of 9 ft. Find the slant height of the cone.

12. A rectangular prism has a surface area of 556 cm^2. The base has a length of 8 cm and a width of 10 cm. Find the height of the prism.

13. A square pyramid has a surface area of 689 mm^2 and a base edge of 13 mm. Find the slant height of the pyramid.

14. A cylinder has a surface area of 78π ft^2 and a radius of 3 ft. Find the height of the cylinder.

15. A cube has a surface area of 486 in^2. Find the length of an edge.

16. A sphere has a surface area of 1296π in^2. Find the radius of the sphere.

17. A square pyramid has a surface area of 360 m^2 and a base edge of 10 m. Find the height of the pyramid.

18. A cone has a surface area of 96π cm^2 and a diameter of 12 cm. Find the height of the cone.