Worksheet Surface Area of Cylinders and Cones Name

Use the diagram at the right

- 1) Give the mathematical name of the solid.
- 2) What kind of figure is each base?
- 3) Name the radius of the solid.
- 4) Name the height of the solid.



For problems 5-8 leave answers exact.

- 5) LA= _____ SA= ____
- 6) LA= _____ SA= ____

Height is 9 in., and slant height is 15 in.



Height is $14\ \mathrm{cm}$. and radius is $3\ \mathrm{cm}$.



- 7) LA=___ ____ SA= ___
- 8) LA=___ ____ SA= ___

Diameter is 28 m., and height is 28 m.



For problems 9-12, round to the nearest hundredth. Use $\pi = 3.14$.

- 9) LA= ____ SA= __
- 10) LA= ____ SA= __

Diameter is 11 in., and slant height is 21 in.



Height is 32 cm. and diameter is 5 cm.

Diameter is 7 feet, and height is 11 feet



- ____ SA= ___ 11) LA=__
- _____ 12) LA= _____ SA= ____

Diameter is 80 m., and height is 18 m.

Diameter is 15 feet, and diagonal is 17 feet





13) The surface area of a cylinder is 48π square feet. The radius of the cylinder is 3 feet. What is the height of the cylinder.