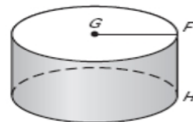


**Worksheet Surface Area of Cylinders and Cones** Name \_\_\_\_\_

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= \_\_\_\_\_

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



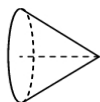
6) LA= \_\_\_\_\_ SA= \_\_\_\_\_

Height is 14 cm. and radius is 3 cm.



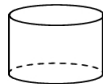
7) LA= \_\_\_\_\_ SA= \_\_\_\_\_

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



8) LA= \_\_\_\_\_ SA= \_\_\_\_\_

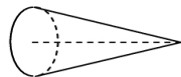
Diameter is 7 feet, and height is 11 feet



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

9) LA= \_\_\_\_\_ SA= \_\_\_\_\_

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



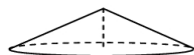
10) LA= \_\_\_\_\_ SA= \_\_\_\_\_

Height is 32 cm. and diameter is 5 cm.



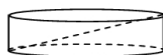
11) LA= \_\_\_\_\_ SA= \_\_\_\_\_

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



12) LA= \_\_\_\_\_ SA= \_\_\_\_\_

Diameter is 15 feet, and diagonal is 17 feet



- 13) The surface area of a cylinder is  $48\pi$  square feet. The radius of the cylinder is 3 feet. What is the height of the cylinder.