

Notes for lesson 12-3: Cylinders and Cones

Fill in the following formulas:

Cylinders:

LA =

TA =

V =

Cones:

LA =

TA =

V =

Solve the following problems using the above formulas.

1) A cylinder has radius 5cm and height 4 cm. Find LA, TA, and V.

2) A cone has a radius of 3 ft and height of 6 ft. Find LA, TA, and V.

3) A cylinder's base has an area of $81\pi \text{ cm}^2$ and height of 15 cm. Find LA, TA, and V.

4) A cone's base has a circumference of 24π and a slant height of 18. Find LA, TA, and V.