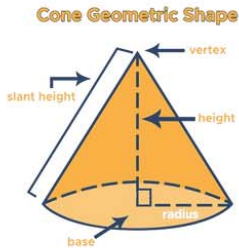


Name :

Class :

Surface Area of Cones

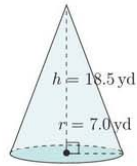


The Surface area of a cone is the total area covered by its surface these formula as given in figure.

A Closed Cone	An Open Cone
<p>A diagram of a closed cone with a dashed line for height h and a solid line for radius r.</p>	<p>A diagram of an open cone with a dashed line for height h and a solid line for radius r.</p>
Area $\pi r (r + \sqrt{r^2 + h^2})$	Area $\pi r \sqrt{r^2 + h^2}$

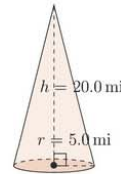
Calculate the surface area for each cone.

1)



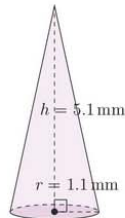
588.9 yd²

2)



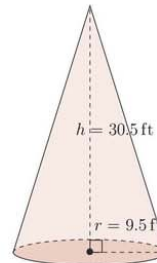
402.4 mi²

3)



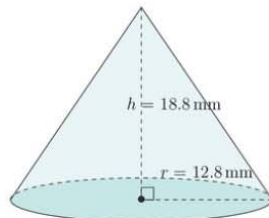
21.8 mm²

4)



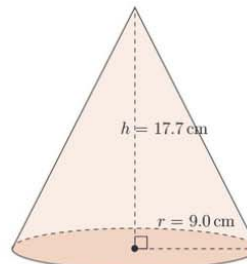
1236.9 ft²

5)



1429.3 mm²

6)



815.9 cm²