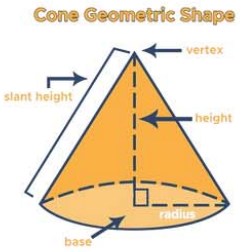
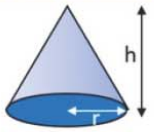
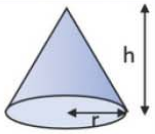
Name : Class :

# Surface Area of Cones

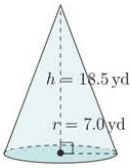



The Surface area of a cone is the total area covered by its surface these formula as given in figure.

| A Closed Cone | An Open Cone |
|---|---|
|  |  |
| Area $\pi r\,(r + \sqrt{(r^2 + h^2)})$ | Area $\pi r \sqrt{(r^2 + h^2)}$ |

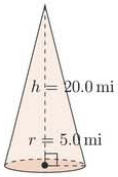
Calculate the surface area for each cone.

**1)**



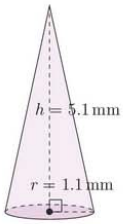

588.9 yd²

**2)**



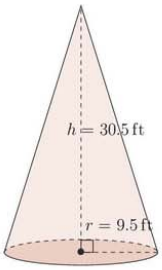

402.4 mi²

**3)**



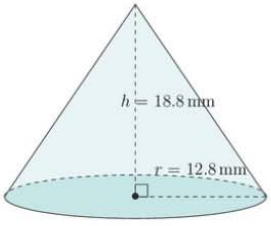

21.8 mm²

**4)**



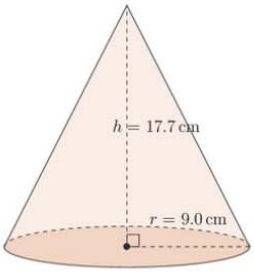

1236.9 ft²

**5)**




1429.3 mm²

**6)**




815.9 cm²