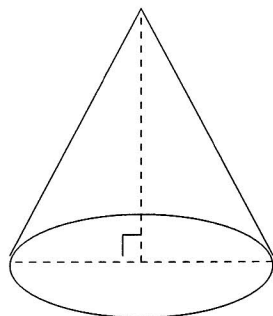
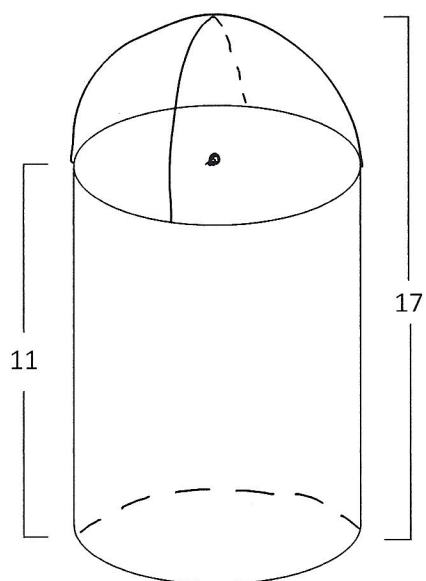


1. This cone has a height of 4 in and a slant height of 5 in. Find:
 - a) Lateral Surface Area
 - b) Total Surface Area

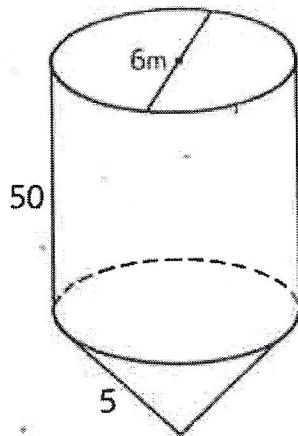


2. A sphere has a diameter measuring $6\sqrt{5}$ mm. Find its surface area.

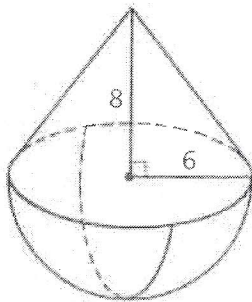
3. Find the total area of this solid:



4. A well has a cylindrical wall 50 meters deep and a diameter of 6 meters. The tapered bottom forms a cone with a slant height of 5 meters. Find, to the nearest cubic meter, the volume of water the well could hold.



5. Given the cone and the hemisphere as marked, find the total surface area.



6. A rubber ball is formed by a rubber shell filled with air. The shell's outer diameter is 48 mm, and its inner diameter is 42mm. Find, to the nearest cubic millimeter, the volume of the rubber used to make the ball.