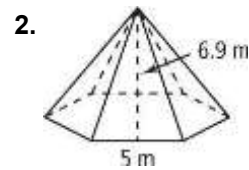
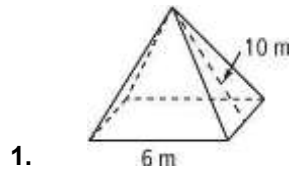
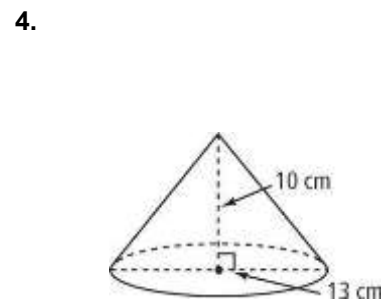
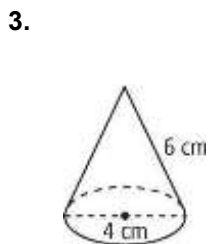


## HW-54 Surface Areas of Pyramids and Cones

Find the lateral area of each pyramid to the nearest whole number.



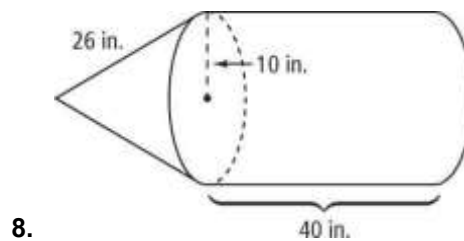
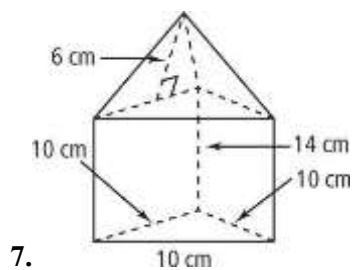
Find the lateral area of each cone to the nearest whole number.



5. The surface area of a cone is  $16.8 \text{ in}^2$ . The radius is 3 in. What is the slant height?

6. The lateral area of a cone is  $155.25 \text{ m}^2$ . The slant height is 13.5 m. What is the radius?

Find the surface area to the nearest whole number.



**Visualization** Suppose you revolve the plane region completely about the given line to sweep out a solid of revolution. Describe the solid. Then find its surface area in terms of  $\pi$ . Round to the nearest tenth.

9. about the  $y$ -axis

