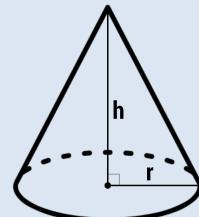


Finding the Surface Area of a Cone

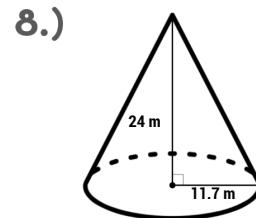
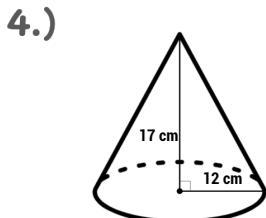
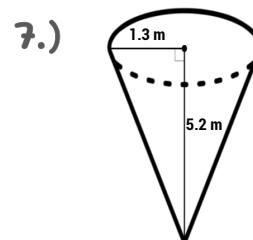
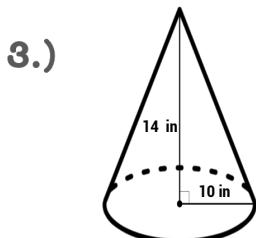
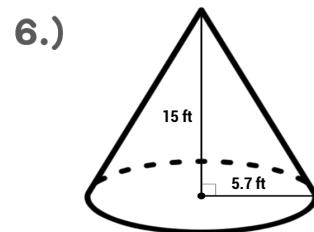
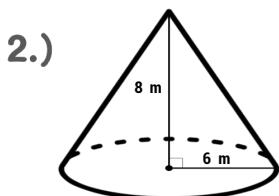
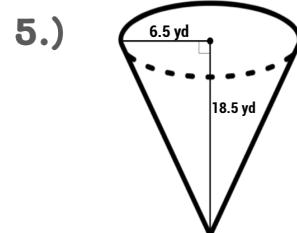
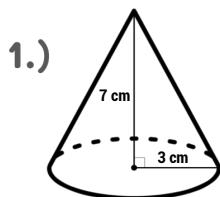
Surface of a Cone Formula

$$A = \pi r (r + \sqrt{h^2 + r^2})$$

Where r is the radius of the base and h is the height.



Directions: Find the volume of each cone and round your answer to the nearest tenth.



ANSWER KEY

- 1.) $A = 100.1 \text{ cm}^2$
- 2.) $A = 301.6 \text{ m}^2$
- 3.) $A = 854.7 \text{ in}^2$
- 4.) $A = 1,236.9 \text{ cm}^2$
- 5.) $A = 532.2 \text{ yd}^2$
- 6.) $A = 389.4 \text{ ft}^2$
- 7.) $A = 27.2 \text{ m}^2$
- 8.) $A = 1,411.5 \text{ m}^2$