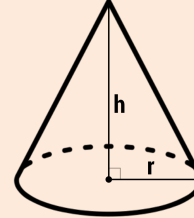Name: _____

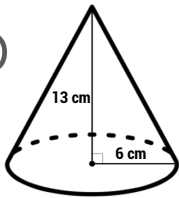# Finding the Surface Area of a Cone

Surface of a Cone Formula

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

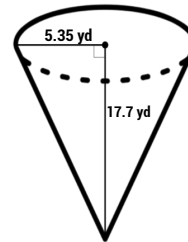Where **r** is the radius of the base and **h** is the height.

Directions: Find the volume of each cone and round your answer to the nearest tenth.
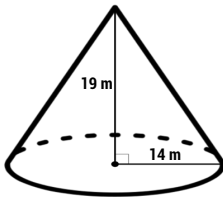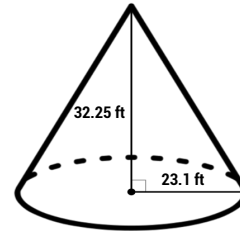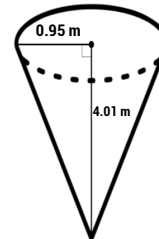
1.)
13 cm
6 cm

5.)
5.35 yd
17.7 yd

2.)
19 m
14 m

6.)
32.25 ft
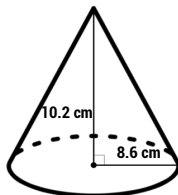23.1 ft

3.)
22 in
11.3 in

7.)
0.95 m
4.01 m

4.)
10.2 cm
8.6 cm

8.)
56 m
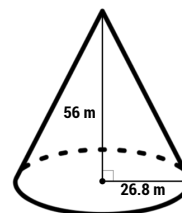26.8 m
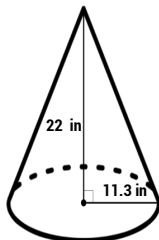
1.) $A = 383.0 \text{ cm}^2$
2.) $A = 1,653.8 \text{ m}^2$
3.) $A = 1,279.2 \text{ in}^2$
4.) $A = 592.8 \text{ cm}^2$
5.) $A = 400.7 \text{ yd}^2$
6.) $A = 4,555.2 \text{ ft}^2$
7.) $A = 15.1 \text{ m}^2$
8.) $A = 7,483.4 \text{ m}^2$