# Surface Area of a Cone

**Solve the problems.**

1)   Find the radius of a cone whose surface area is 1201.84yd² and height 19yd.

_____

2)   Find the height of a cone whose surface area is 213.15m² and radius 5m.

_____

3)   Find the radius of a cone whose surface area is 35.22cm² and height 3cm.

_____

4)   Calculate the height of a cone whose surface area is 706.13in², radius 9.5in.

_____

5)   Find the surface area of a cone having the radius of the base as 12.9m and the height of the cone is 15.6m?

_____

6)   Find the radius of a cone whose surface area is 889.77yd² and height 19yd.

_____

7)   Find the radius of a cone whose surface area is 1634.3m² and height 34m.

_____

8)   Calculate the height of a cone whose surface area is 1286.51in², radius 11.6in.

_____

9)   Calculate the height of the cone, if the radius of the cone is 12.56m and slant height is 19.9m?

_____

10)   Find the surface area of a cone whose radius is 14.78yd and height 19.21yd.

_____

# Surface Area of a Cone

Name:_____          Date:_____

## Solve the problems.

1) Find the radius of a cone whose surface area is 1201.84yd² and height 19yd.

   11.4 ≈ 11 yd

2) Find the height of a cone whose surface area is 213.15m² and radius 5m.

   6.96 ≈ 7 m

3) Find the radius of a cone whose surface area is 35.22cm² and height 3cm.

   2cm

4) Calculate the height of a cone whose surface area is 706.13in², radius 9.5in.

   10.5in

5) Find the surface area of a cone having the radius of the base as 12.9m and the height of the cone is 15.6m?

   1343.16 ≈ 1343 m²

6) Find the radius of a cone whose surface area is 889.77yd² and height 19yd.

   9.3 ≈ 9 yd

7) Find the radius of a cone whose surface area is 1634.3m² and height 34m.

   11.1 ≈ 11 m

8) Calculate the height of a cone whose surface area is 1286.51in², radius 11.6in.

   20.67 ≈ 21 in

9) Calculate the height of the cone, if the radius of the cone is 12.56m and slant height is 19.9m?

   15.43 ≈ 15 m

10) Find the surface area of a cone whose radius is 14.78yd and height 19.21yd.

   1811.7 ≈ 1812 yd²