Candle Center - Infinite Geometry

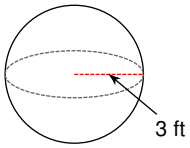
Name_____

Spheres

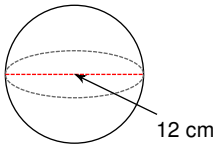
Date_____ Period____

Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

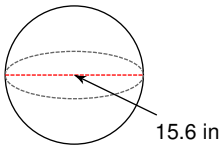
1)



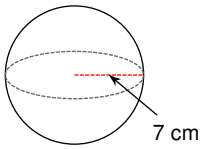
2)



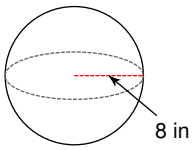
3)



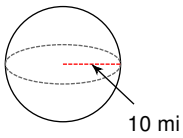
4)



5)



6)

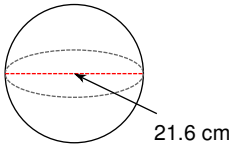


7) A sphere with a diameter of 6.2 in.

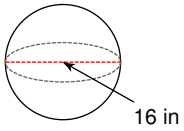
8) A sphere with a radius of 10 mi.

Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

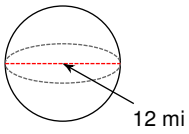
9)



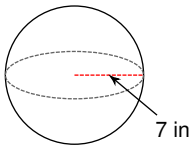
10)



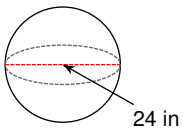
11)



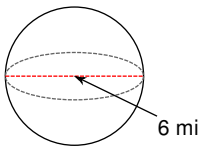
12)



13)



14)



15) A sphere with a diameter of 2 m.

16) A sphere with a diameter of 10 ft.

Candle Center - Infinite Geometry

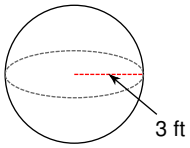
Name_____

Spheres

Date_____ Period____

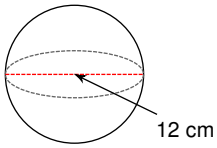
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

1)



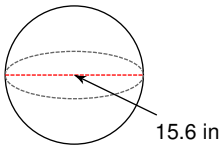
113.1 ft²

2)



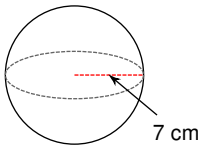
452.4 cm²

3)



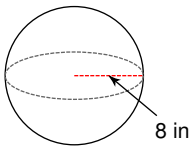
764.5 in²

4)



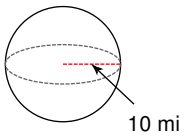
615.8 cm²

5)



804.2 in²

6)



1256.6 mi²

7) A sphere with a diameter of 6.2 in.

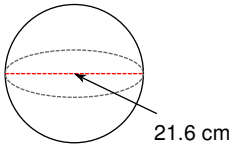
120.8 in²

8) A sphere with a radius of 10 mi.

1256.6 mi²

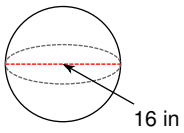
Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

9)



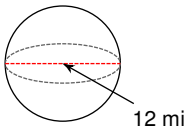
5276.7 cm³

10)



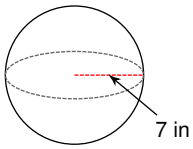
2144.7 in³

11)



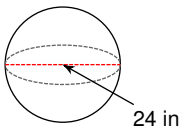
904.8 mi³

12)



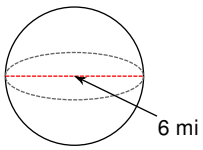
1436.8 in³

13)



7238.2 in³

14)



113.1 mi³

15) A sphere with a diameter of 2 m.

4.2 m³

16) A sphere with a diameter of 10 ft.

523.6 ft³