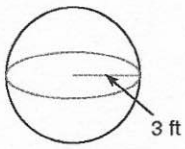
Kuta Software - Infinite Geometry Name_____

Spheres

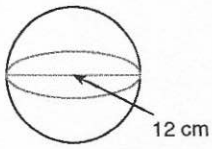
Date_____ Period____

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

1)



2)



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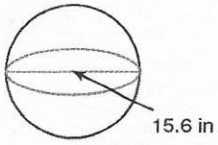
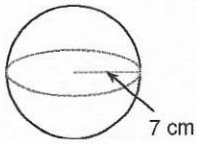
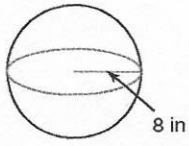


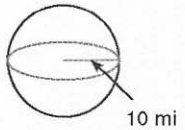
4)



5)



6)



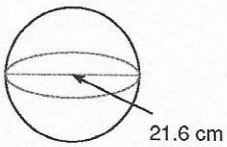
7) A sphere with a diameter of 6.2 in.

8) A sphere with a radius of 10 mi.

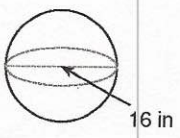
P91

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

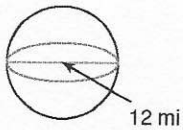
9)



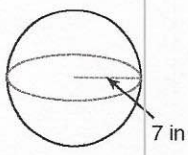
10)



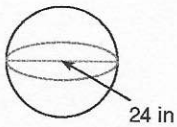
11)



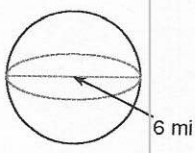
12)



13)



14)



15) A sphere with a diameter of 2 m.

16) A sphere with a diameter of 10 ft.

Pg 2

Kuta Software - Infinite Geometry

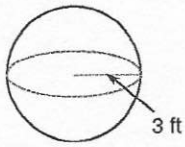
Name Key

Spheres

Date_____ Period____

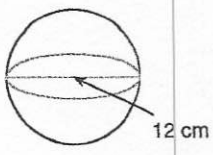
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

1)



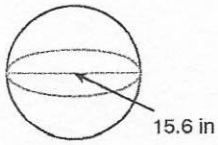
113.1 ft²

2)



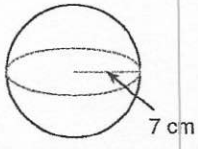
452.4 cm²

3)



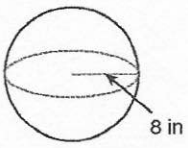
764.5 in²

4)



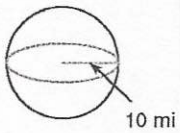
615.8 cm²

5)



804.2 in²

6)



1256.6 mi²

7) A sphere with a diameter of 6.2 in.

120.8 in²

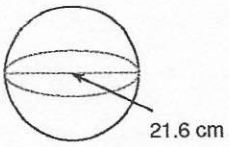
8) A sphere with a radius of 10 mi.

1256.6 mi²

Pg 3

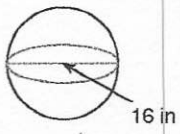
Find the volume of each figure. Round your answers to the nearest tenth, if necessary.

9)



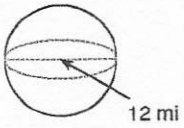
5276.7 cm^3

10)



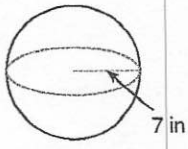
2144.7 in^3

11)



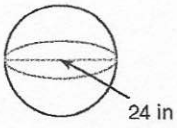
904.8 mi^3

12)



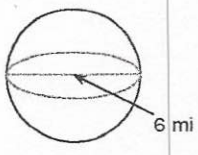
1436.8 in^3

13)



7238.2 in^3

14)



113.1 mi^3

15) A sphere with a diameter of 2 m.

4.2 m^3

16) A sphere with a diameter of 10 ft.

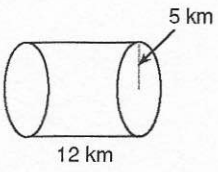
523.6 ft^3

Volume of Cylinders

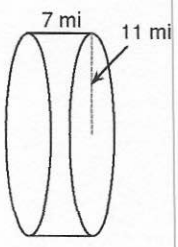
Name_____

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

1)



2)



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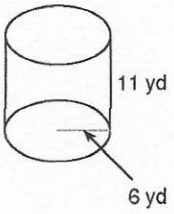
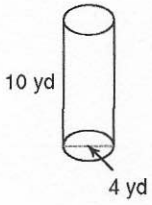
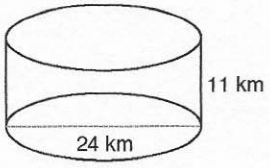


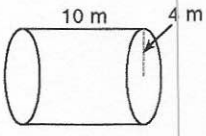
4)



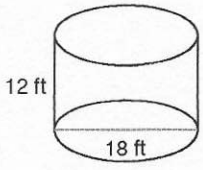
5)



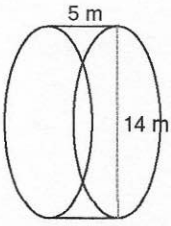
6)



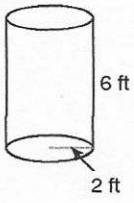
7)



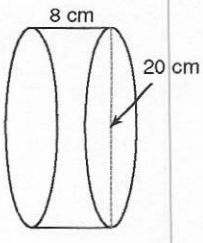
8)



9)

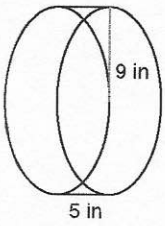


10)

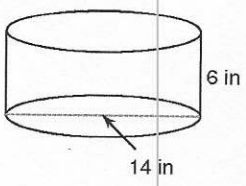


Pg 5

11)



12)



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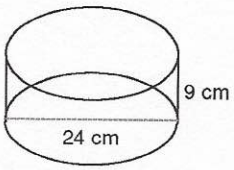
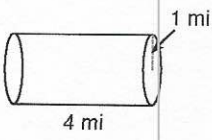


14)



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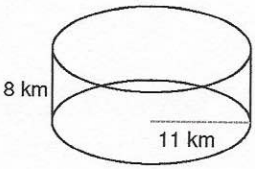


Key

Answers to

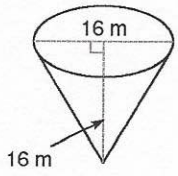
1) 942.48 km^3
2) 2660.93 mi^3
3) 1244.07 yd^3
4) 125.66 yd^3
5) 4976.28 km^3
6) 502.65 m^3
7) 3053.63 ft^3
8) 769.69 m^3
9) 75.4 ft^3
10) 2513.27 cm^3
11) 1272.35 in^3
12) 923.63 in^3
13) 4071.5 cm^3
14) 12.57 mi^3
15) 3041.06 km^3

Volume of Cones

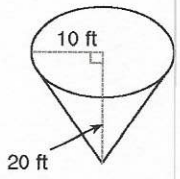
Name_____

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

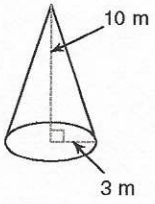
1)



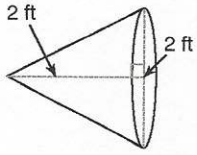
2)



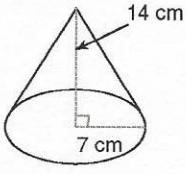
3)



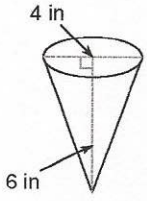
4)



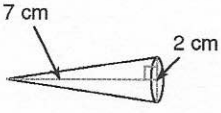
5)



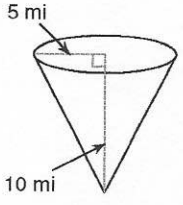
6)



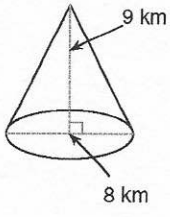
7)



8)



9)



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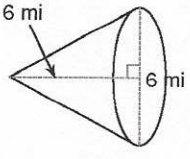
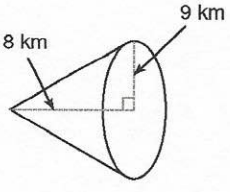
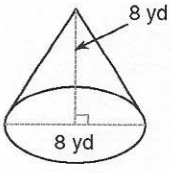


11)

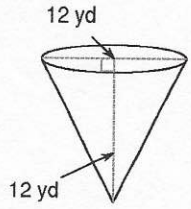


12)

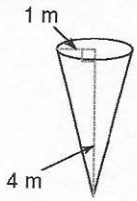


pg 8

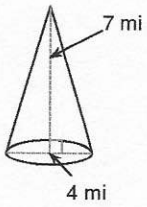
13)



14)



15)

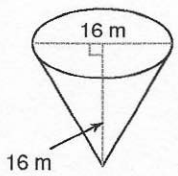


Volume of Cones

Name Key

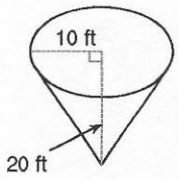
Find the volume of each figure. Round your answers to the nearest whole, if necessary.

1)



1072 m³

2)

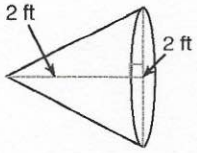


2094 ft³

3)

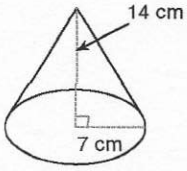
94 m³

4)



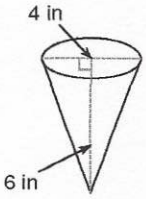
2 ft³

5)



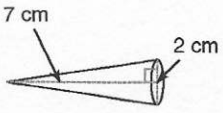
718 cm³

6)



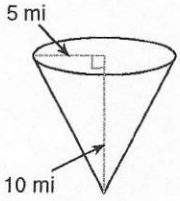
25 in³

7)



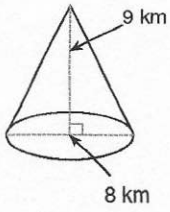
7 cm³

8)



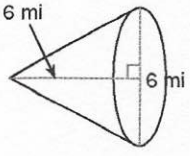
262 mi³

9)



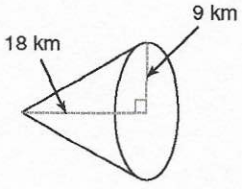
151 km³

10)



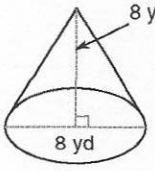
57 mi³

11)



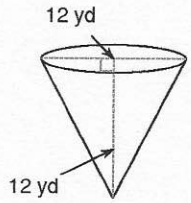
1527 km³

12)



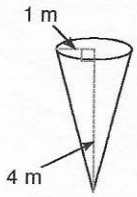
134 yd³

13)



452 yd³

14)



4 m³

15)

29 mi³