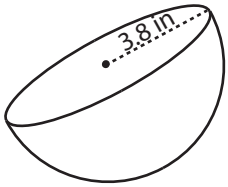
Name : _____ Score : _____

MS1

Volume - Sphere & Hemisphere

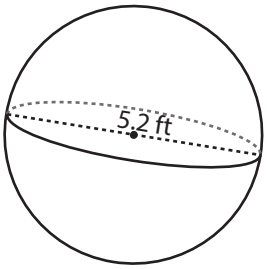
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1)



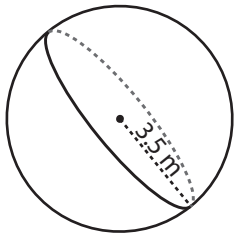
Volume = _____

2)



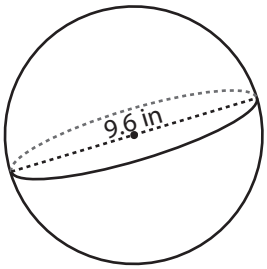
Volume = _____

3)



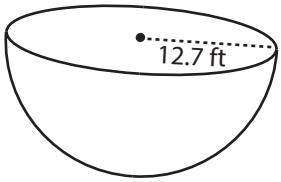
Volume = _____

4)



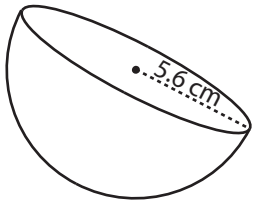
Volume = _____

5)



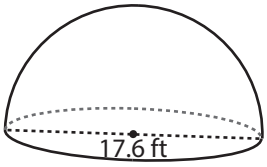
Volume = _____

6)



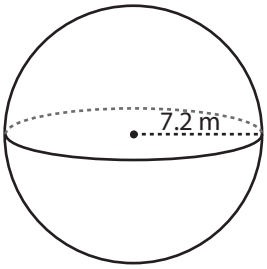
Volume = _____

7)



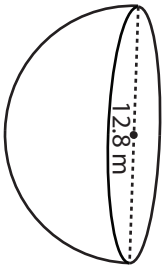
Volume = _____

8)



Volume = _____

9)



Volume = _____

10) Find the volume of air occupied in a hemispherical dome with radius 25.3 feet.

Volume = _____

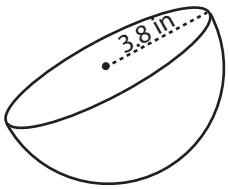
Name : _____ **Answer Key** Score : _____

MS1

Volume - Sphere & Hemisphere

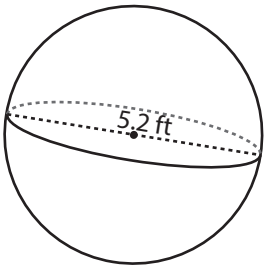
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1)



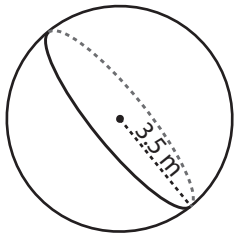
Volume = **114.87 in³**

2)



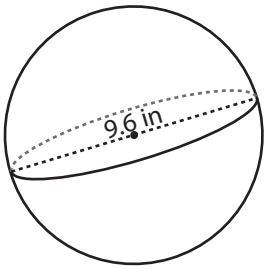
Volume = **73.58 ft³**

3)



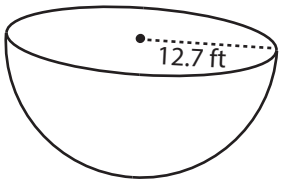
Volume = **179.5 m³**

4)



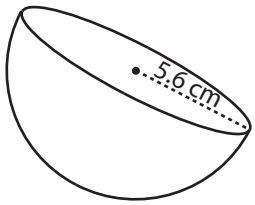
Volume = **463.01 in³**

5)



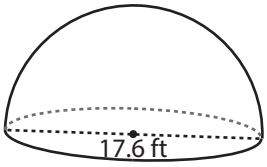
Volume = **4287.95 ft³**

6)



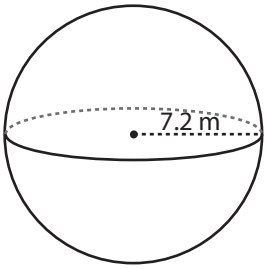
Volume = **367.62 cm³**

7)



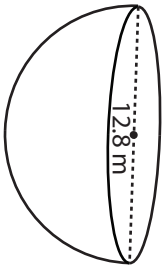
Volume = **1426.55 ft³**

8)



Volume = **1562.67 m³**

9)



Volume = **548.75 m³**

10) Find the volume of air occupied in a hemispherical dome with radius 25.3 feet.

Volume = **33900.02 ft³**

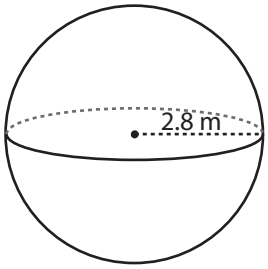
Name : _____ Score : _____

MS2

Volume - Sphere & Hemisphere

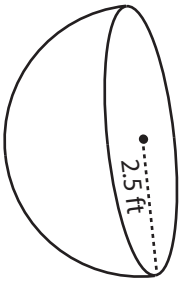
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1)



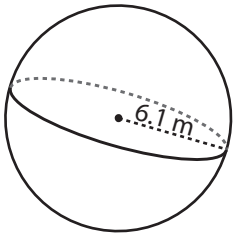
Volume = _____

2)



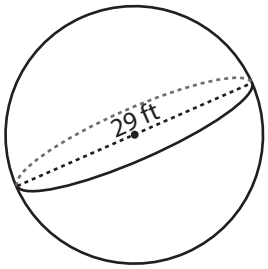
Volume = _____

3)



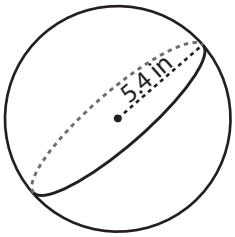
Volume = _____

4)



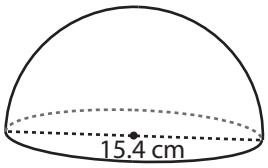
Volume = _____

5)



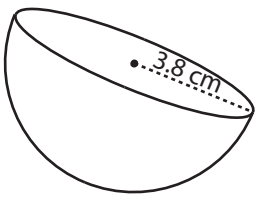
Volume = _____

6)



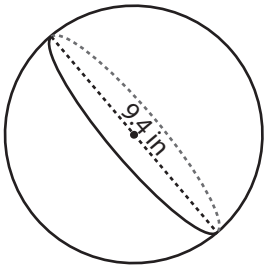
Volume = _____

7)



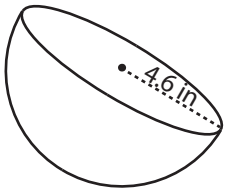
Volume = _____

8)



Volume = _____

9)



Volume = _____

10) A capsule in the shape of a sphere has a diameter of 3.7 millimeter. Find the volume of the capsule?

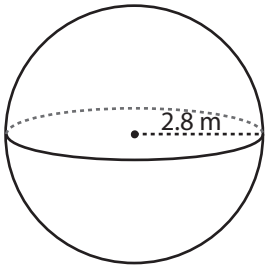
Volume = _____

Name : _____ **Answer Key** Score : _____

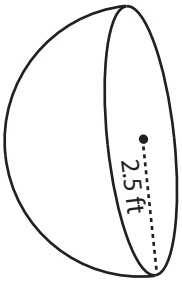
MS2

Volume - Sphere & Hemisphere

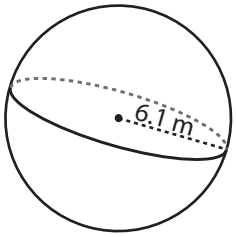
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1) 

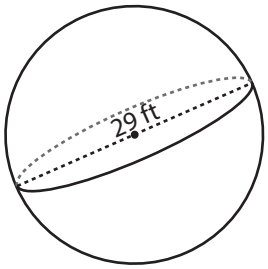
Volume = **91.91 m³**

2) 

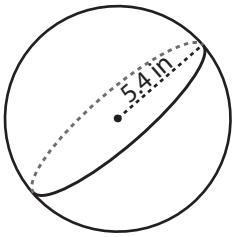
Volume = **32.71 ft³**

3) 

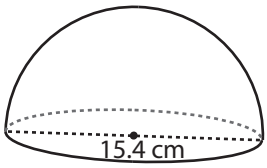
Volume = **950.29 m³**

4) 

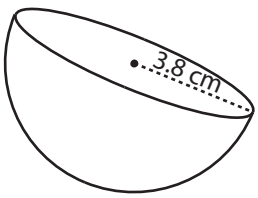
Volume = **12763.58 ft³**

5) 

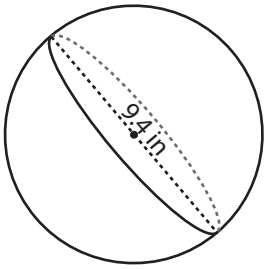
Volume = **659.25 in³**

6) 

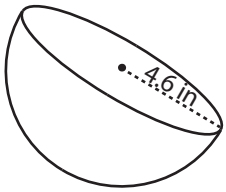
Volume = **955.68 cm³**

7) 

Volume = **114.87 cm³**

8) 

Volume = **434.67 in³**

9) 

Volume = **203.76 in³**

10) A capsule in the shape of a sphere has a diameter of 3.7 millimeter. Find the volume of the capsule?

Volume = **26.51 mm³**

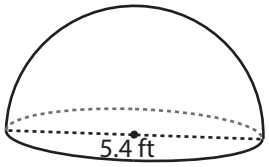
Name : _____ Score : _____

MS3

Volume - Sphere & Hemisphere

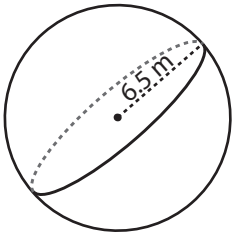
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1)



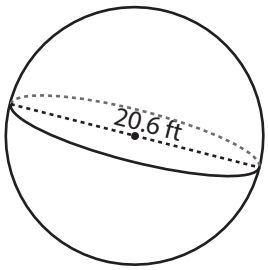
Volume = _____

2)



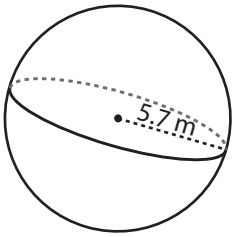
Volume = _____

3)



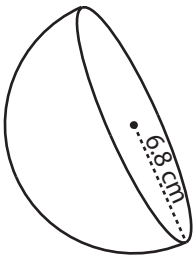
Volume = _____

4)



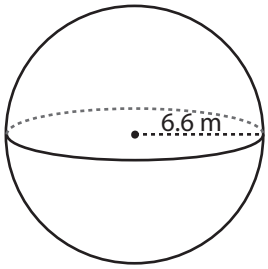
Volume = _____

5)



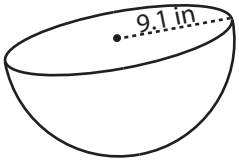
Volume = _____

6)



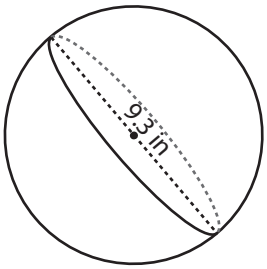
Volume = _____

7)



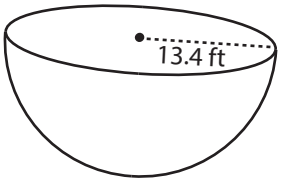
Volume = _____

8)



Volume = _____

9)



Volume = _____

10) Find the volume of chocolate required to make a spherical chocolate ball with a diameter 14.6 centimeter.

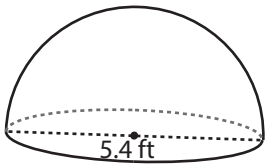
Volume = _____

Name : _____ **Answer Key** Score : _____

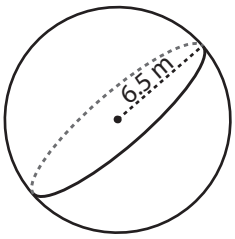
MS3

Volume - Sphere & Hemisphere

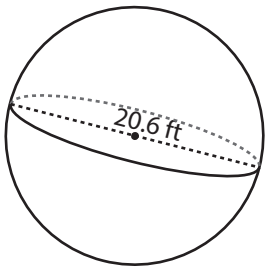
Find the volume of each shape. Round the answer to two decimal places. (use π = 3.14)

1) 

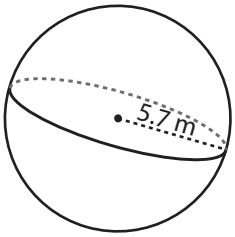
Volume = **41.2 ft³**

2) 

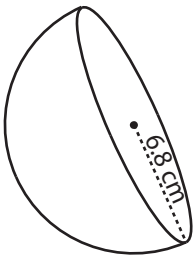
Volume = **1149.76 m³**

3) 

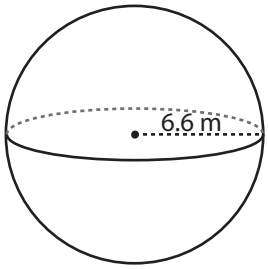
Volume = **4574.88 ft³**

4) 

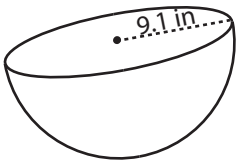
Volume = **775.34 m³**

5) 

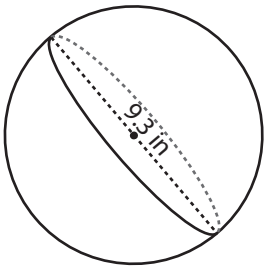
Volume = **658.21 cm³**

6) 

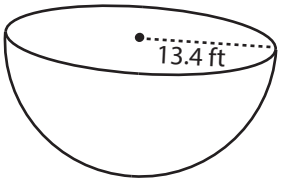
Volume = **1203.65 m³**

7) 

Volume = **1577.48 in³**

8) 

Volume = **420.95 in³**

9) 

Volume = **5036.78 ft³**

10) Find the volume of chocolate required to make a spherical chocolate ball with a diameter 14.6 centimeter.

Volume = **1628.69 cm³**