

Name : \_\_\_\_\_

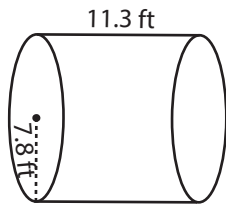
Score : \_\_\_\_\_

**Volume - Cylinder**

DS1

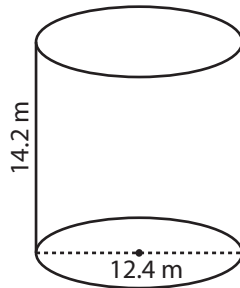
Find the volume of each cylinder. Round the answer to nearest tenth. ( use  $\pi = 3.14$  )

1)



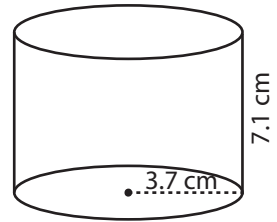
Volume = \_\_\_\_\_

2)



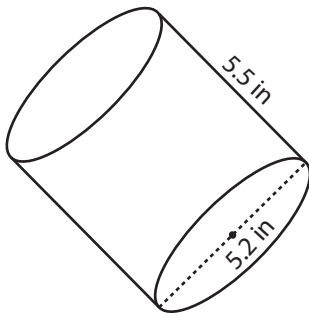
Volume = \_\_\_\_\_

3)



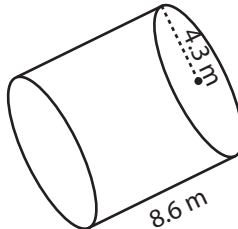
Volume = \_\_\_\_\_

4)



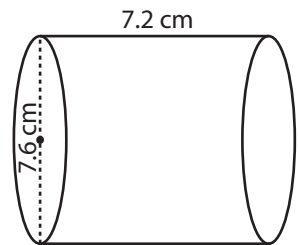
Volume = \_\_\_\_\_

5)



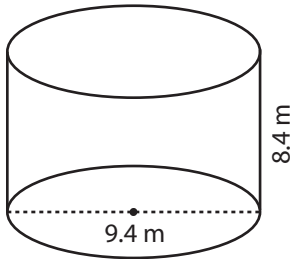
Volume = \_\_\_\_\_

6)



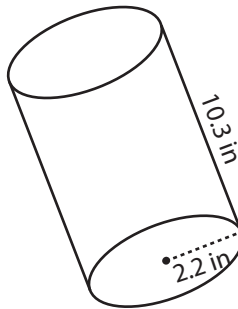
Volume = \_\_\_\_\_

7)



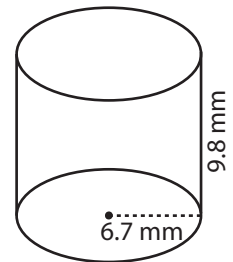
Volume = \_\_\_\_\_

8)



Volume = \_\_\_\_\_

9)



Volume = \_\_\_\_\_

10) The candy is made up of sugar syrup. Find the volume of the syrup required to make a cylindrical candy with a diameter 3.25 centimeter and height 2.15 centimeter.

Volume = \_\_\_\_\_

Name : \_\_\_\_\_

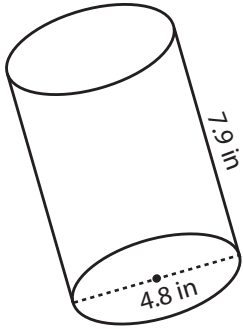
Score : \_\_\_\_\_

**Volume - Cylinder**

DS2

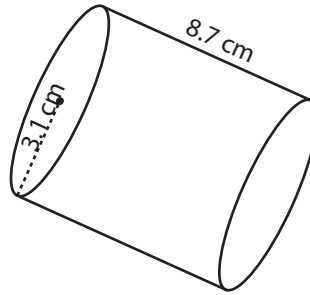
Find the volume of each cylinder. Round the answer to nearest tenth. ( use  $\pi = 3.14$  )

1)



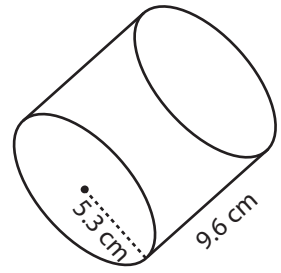
Volume = \_\_\_\_\_

2)



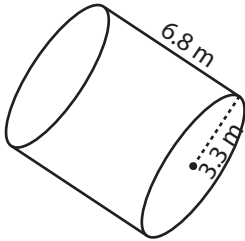
Volume = \_\_\_\_\_

3)



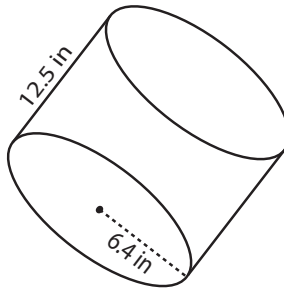
Volume = \_\_\_\_\_

4)



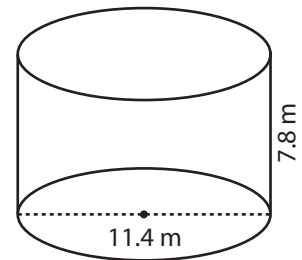
Volume = \_\_\_\_\_

5)



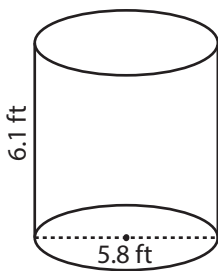
Volume = \_\_\_\_\_

6)



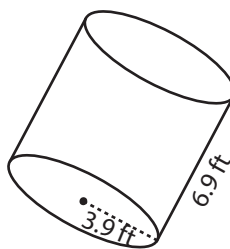
Volume = \_\_\_\_\_

7)



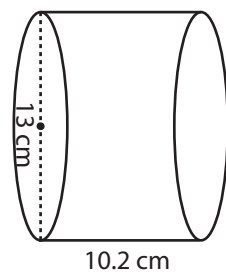
Volume = \_\_\_\_\_

8)



Volume = \_\_\_\_\_

9)



Volume = \_\_\_\_\_

10) Find the volume of a cylindrical gas tank which is 5.5 feet long and has a base diameter 2.7 feet.

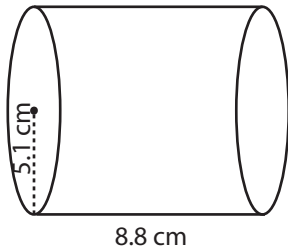
Volume = \_\_\_\_\_

**Volume - Cylinder**

DS3

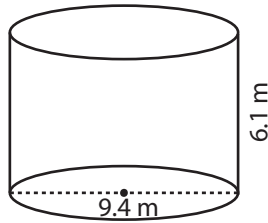
Find the volume of each cylinder. Round the answer to nearest tenth. ( use  $\pi = 3.14$  )

1)



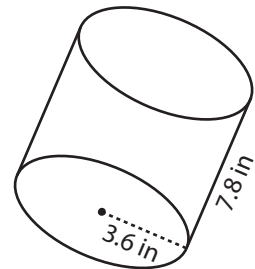
Volume = \_\_\_\_\_

2)



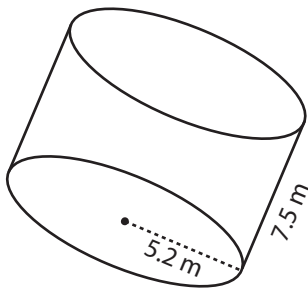
Volume = \_\_\_\_\_

3)



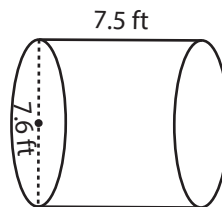
Volume = \_\_\_\_\_

4)



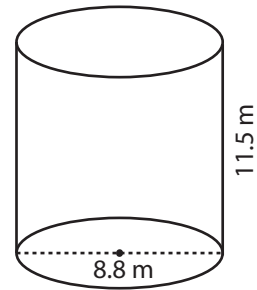
Volume = \_\_\_\_\_

5)



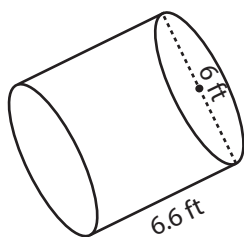
Volume = \_\_\_\_\_

6)



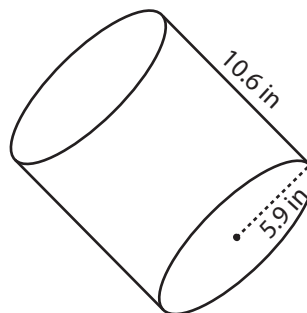
Volume = \_\_\_\_\_

7)



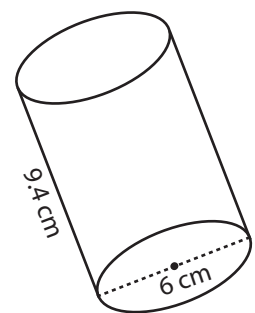
Volume = \_\_\_\_\_

8)



Volume = \_\_\_\_\_

9)



Volume = \_\_\_\_\_

10) A cylindrical wafer biscuit is filled with chocolate. If the inner radius is 4.5 millimeter and the wafer is 10.3 millimeter long, what will be the volume of the chocolate?

Volume = \_\_\_\_\_

Name : \_\_\_\_\_

**Answer Key**

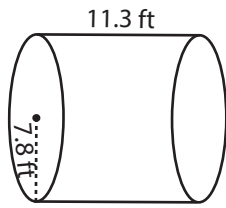
Score : \_\_\_\_\_

**Volume - Cylinder**

DS1

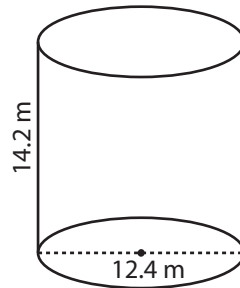
Find the volume of each cylinder. Round the answer to nearest tenth. ( use  $\pi = 3.14$  )

1)



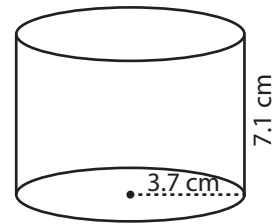
Volume = 2158.7 ft<sup>3</sup>

2)



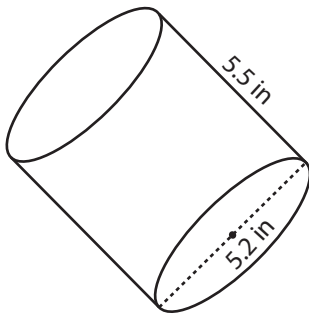
Volume = 1714 m<sup>3</sup>

3)



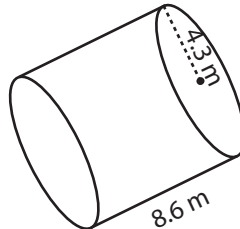
Volume = 305.2 cm<sup>3</sup>

4)



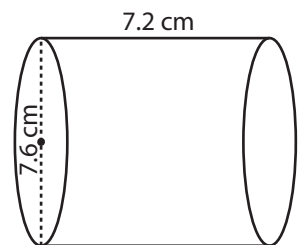
Volume = 116.7 in<sup>3</sup>

5)



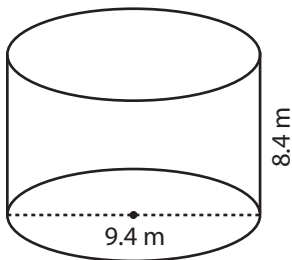
Volume = 499.3 m<sup>3</sup>

6)



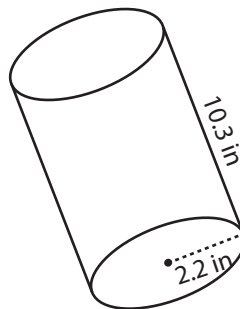
Volume = 326.5 cm<sup>3</sup>

7)



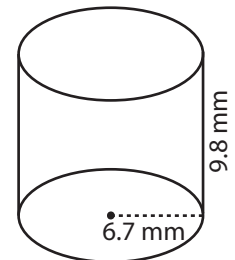
Volume = 582.6 m<sup>3</sup>

8)



Volume = 156.5 in<sup>3</sup>

9)



Volume = 1381.4 mm<sup>3</sup>

10) The candy is made up of sugar syrup. Find the volume of the syrup required to make a cylindrical candy with a diameter 3.25 centimeter and height 2.15 centimeter.

Volume = 17.8 cm<sup>3</sup>

Name : \_\_\_\_\_

**Answer Key**

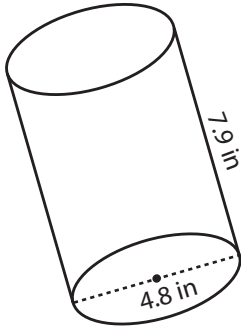
Score : \_\_\_\_\_

**Volume - Cylinder**

DS2

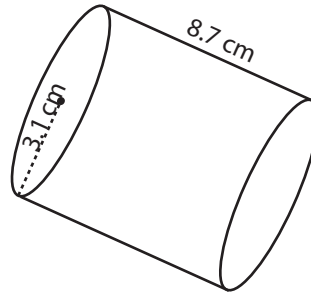
Find the volume of each cylinder. Round the answer to nearest tenth. ( use  $\pi = 3.14$  )

1)



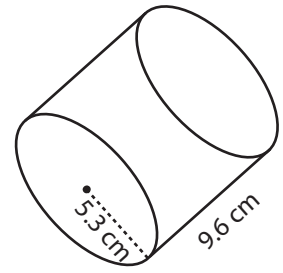
Volume = 142.9 in<sup>3</sup>

2)



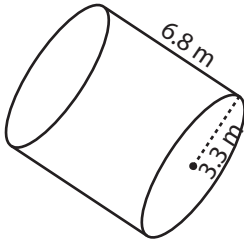
Volume = 262.5 cm<sup>3</sup>

3)



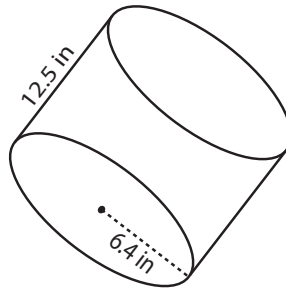
Volume = 846.7 cm<sup>3</sup>

4)



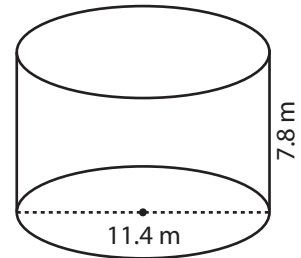
Volume = 232.5 m<sup>3</sup>

5)



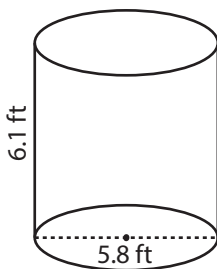
Volume = 1607.7 in<sup>3</sup>

6)



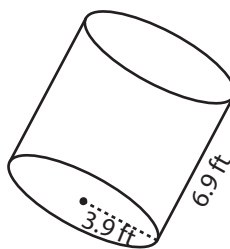
Volume = 795.7 m<sup>3</sup>

7)



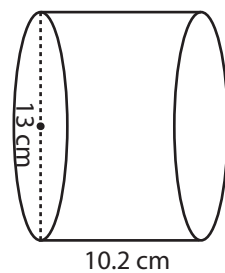
Volume = 161.1 ft<sup>3</sup>

8)



Volume = 329.5 ft<sup>3</sup>

9)



Volume = 1353.2 cm<sup>3</sup>

10) Find the volume of a cylindrical gas tank which is 5.5 feet long and has a base diameter 2.7 feet.

Volume = 31.5 ft<sup>3</sup>

Name : \_\_\_\_\_

**Answer Key**

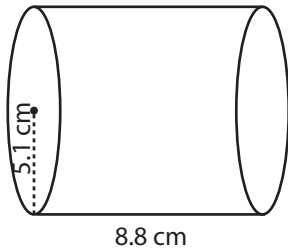
Score : \_\_\_\_\_

**Volume - Cylinder**

DS3

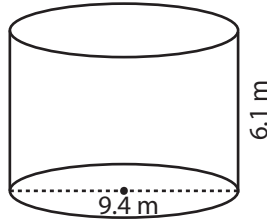
Find the volume of each cylinder. Round the answer to nearest tenth. ( use  $\pi = 3.14$  )

1)



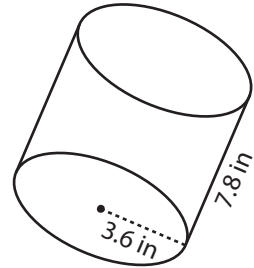
Volume = 718.7 cm<sup>3</sup>

2)



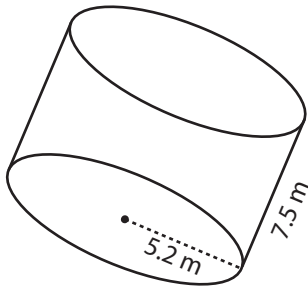
Volume = 423.1 m<sup>3</sup>

3)



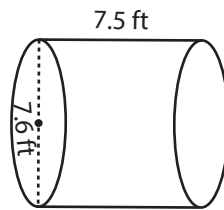
Volume = 317.4 in<sup>3</sup>

4)



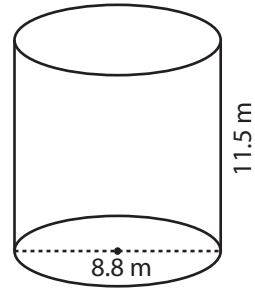
Volume = 636.8 m<sup>3</sup>

5)



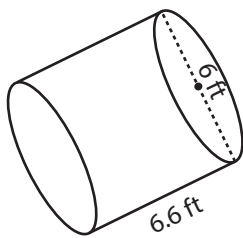
Volume = 340.1 ft<sup>3</sup>

6)



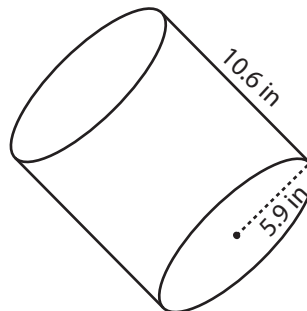
Volume = 699.1 m<sup>3</sup>

7)



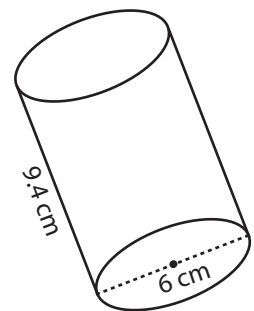
Volume = 186.5 ft<sup>3</sup>

8)



Volume = 1158.6 in<sup>3</sup>

9)



Volume = 265.6 cm<sup>3</sup>

10) A cylindrical wafer biscuit is filled with chocolate. If the inner radius is 4.5 millimeter and the wafer is 10.3 millimeter long, what will be the volume of the chocolate?

Volume = 654.9 mm<sup>3</sup>