Volumes of Cylinders

Find the volume of each cylinder. Use 3.14 for π. Round your answer to the nearest hundredth. Remember to include units in your answer.

1. 7.8 cm  2. 7 mm  3. 4 m
   2 cm   2.03 mm   0.3 m

answer:___________  answer:___________  answer:___________

7. radius of base = 8 cm  8. diameter of base = 3 m  9. radius of base = 12.8 mm
   height = 4.2 cm         height = 19 m         height = 1.6 mm

answer:_____________  answer:_____________  answer:_____________
VOLUMES OF CYLINDERS

Find the volume of each cylinder. Use 3.14 for \( \pi \). Round your answer to the nearest hundredth. Remember to include units in your answer.

1. \( \text{radius} = 2 \text{ cm, height} = 7.8 \text{ cm} \)  
   \[ \text{answer: } 97.97 \text{ cm}^3 \]

2. \( \text{radius} = 7 \text{ mm, height} = 2 \text{ mm} \)  
   \[ \text{answer: } 78.08 \text{ mm}^3 \]

3. \( \text{radius} = 0.3 \text{ m, height} = 4 \text{ m} \)  
   \[ \text{answer: } 1.13 \text{ m}^3 \]

4. \( \text{radius} = 0.2 \text{ cm, height} = 8 \text{ cm} \)  
   \[ \text{answer: } 2.03 \text{ mm}^3 \]

5. \( \text{radius} = 3 \text{ m, height} = 6 \text{ m} \)  
   \[ \text{answer: } 386.85 \text{ m}^3 \]

6. \( \text{radius} = 2 \text{ mm, height} = 3 \text{ mm} \)  
   \[ \text{answer: } 0.04 \text{ cm}^3 \]

7. \( \text{radius of base} = 8 \text{ cm, height} = 4.2 \text{ cm} \)  
   \[ \text{answer: } 844.03 \text{ cm}^3 \]

8. \( \text{diameter of base} = 3 \text{ m, height} = 19 \text{ m} \)  
   \[ \text{answer: } 134.24 \text{ m}^3 \]

9. \( \text{radius of base} = 12.8 \text{ mm, height} = 1.6 \text{ mm} \)  
   \[ \text{answer: } 823.13 \text{ mm}^3 \]

PREVIEW

Please log in to download the printable version of this worksheet.