$\qquad$
Module 13 Perimeter, Area, and Volume
Additional

Lesson $7 \quad$ Volume: Pyramids and Cones

## Practice

Find the volume.
1.


$$
64 \mathrm{ft}^{3}
$$

$$
99 \mathrm{ft}^{3}
$$

4. 


$80 \mathrm{~cm}^{3}$
2.

$297 \mathrm{~cm}^{3}$


Find the volume.
5.


About 7,065 yd ${ }^{3}$


About 994.3 in. ${ }^{3}$

## Complete each table.

|  |  |  |  |
| :--- | :---: | :---: | :---: |
|  | Radius | Height | Volume |
| 7. | 10 ft | 8 ft | About 837.33 ft |
| 8. | 12 in. | 12 in. | About 1,808.64 in. |
| 9. | 1.2 mm | 1.5 mm | About $\mathbf{2 . 2 6 0 8} \mathrm{mm}^{3}$ |
| $\mathbf{1 0 .}$ | 3 cm | 7 cm | About $65.94 \mathrm{~cm}^{3}$ |


| Triangular Pyramids |  |  |  |
| :---: | :---: | :---: | :---: |
|  | Base Area | Height | Volume |
| $\mathbf{1 1 .}$ | $20 \mathrm{yd}^{2}$ | 3 yd | $\mathbf{2 0} \mathbf{y d}^{3}$ |
| $\mathbf{1 2 .}$ | $16 \mathrm{ft}^{2}$ | $\mathbf{4 . 5} \mathbf{f t}$ | $24 \mathrm{ft}^{\mathbf{3}}$ |
| $\mathbf{1 3 .}$ | $\mathbf{6} \mathbf{~ m}^{\mathbf{2}}$ | 1.5 m | $3 \mathrm{~m}^{2}$ |

14. A cone has a diameter of 10 meters and a slant height of 13 meters. Find the exact volume of the cone.

The volume of the cone is $100 \pi \mathrm{~m}^{3}$.
15. The cone sits inside the cylinder. The cone and the cylinder have the same height. What is the volume of the cylinder without the cone?

The volume of the cylinder without the cone is about $2,411.52$ cubic inches.


