Chapter 13 Test, Form 2A

SCORE ____

Write the letter for the correct answer in the blank at the right of each question.

1. How many cubic feet are in one cubic yard?

A 3

13

PL 9

CL 27

D. 81

2. The surface area of a cube is 96 square feet. Find the volume.

A. 4 ft 3

B. 16 ft.

C. 64 65

D. 256 63

 A cylinder whose height is 5 meters has a volume of 320π cubic meters. Find the radius of the cylinder.

A. 8 m

B. 12.8 m

C. 64 m

D. 201 m

 A cylinder has a 10-inch diameter and an 11-inch height. Find the volume to the nearest tenth.

A. 172.8 in³

B. 345.6 in³

C. 963.9 in⁰

D. 3455.8 in³

A square pyramid has a height that is 8 centimeters long and a base with sides that are each 9 centimeters long. Find the volume.

A. 648 cm3

B. 324 cm³

C. 216 cm³

D. 162 cm³

6. Find the volume to the nearest tenth.

A. 80.0 ft.*

C. 48.0 ft³

B, 78.4 ft³

D. 39.2 ft²



 The volume of a cone is 1980 a cubic centimeters and the radius is 18 centimeters. Find the height.

A. 5 cm.

B. 10 cm

C. 20 cm.

D. 300 cm

8. Find the volume to the nearest tenth.

A. 3619.1 m³

C. 14.476.5 m³

B. 4825.5 m

D, 43,429.4 m³



9. A sphere has a 21-inch radius. Find the volume to the nearest tenth.

A. 38,792.4 in³.

B. 19,396.2 in³

C. 5541.8 in

D. 1847.3 in³

10. A sphere has a volume that is 972π cubic inches. Find the radius.

A. 2 in.

B. 3 in.

C. 6 in.

D. 9 h

 A sphere has a 6-inch radius. A cone has a 12-inch height and base with a 6-inch radius. Compare their volumes.

11.__

- A. The volume of the sphere is greater.
- B. The volume of the cone is greater.
 C. The volumes are equal.
- D. not enough information

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PT Brinkman

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