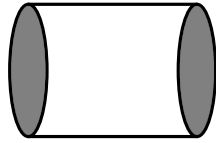


Unit 9 Practice Test

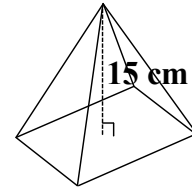
1. Which of the following is *not* a cross section of a cylinder?

- a. Ellipse
- b. Circle
- c. Triangle
- d. Rectangle

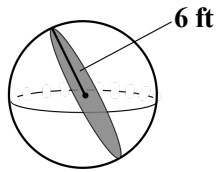


6. A square pyramid has a volume of 360 cubic centimeters and a height of 15 centimeters. What is the approximate length of each side of the base?

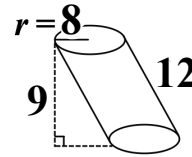
- a. 4 centimeters
- b. 5 centimeters
- c. 16 centimeters
- d. 24 centimeters



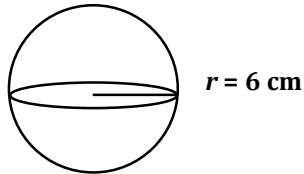
2. The shaded circle is a great circle. What is the diameter of the sphere?



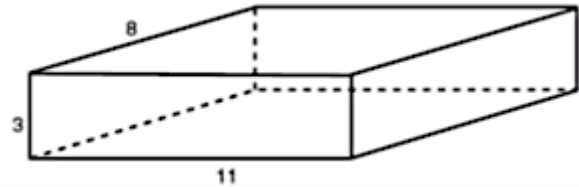
7. The cylinder has a radius of 8 cm, a slant height of 12 cm, and a height of 9 cm. What is the volume of the cylinder? Write the answer in terms of pi.



3. What is the approximate volume of the sphere shown? Write the answer in terms of pi.



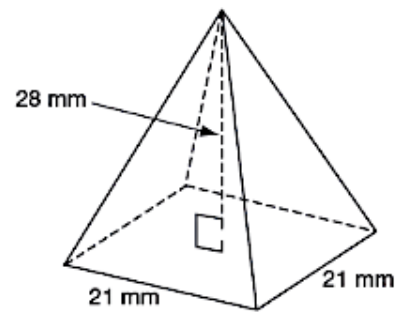
8. What is the volume of the prism?



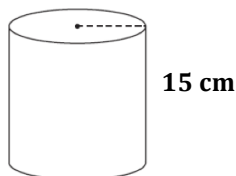
4. The volume of a cone is 65 cubic centimeters and the height of the cone is 16 centimeters. What is the radius of the cone to the nearest whole number?



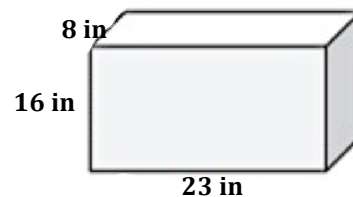
9. What is the volume of the pyramid?



5. The cylinder shown has a radius of 6 inches. What is the volume of the cylinder? Write the answer in terms of pi.



10. What will be the new volume if all the dimensions of the given prism were to triple?



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

Unit 9 Practice Test Answers

1. C	2. 12	3. $288\pi$	4. 2	5. $540\pi$
6. 8	7. $576\pi$	8. 264	9. 4116	10. 79488

Unit 9 Practice Test Answers

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