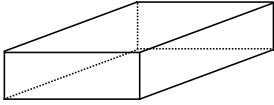
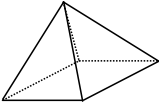
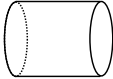
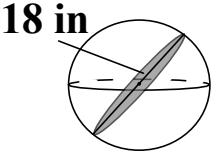
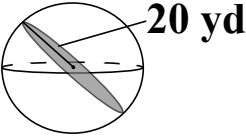
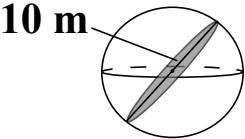
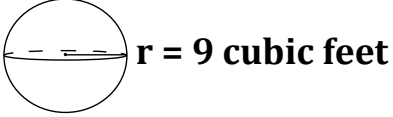
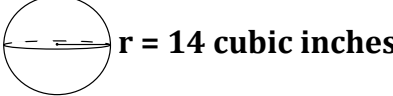
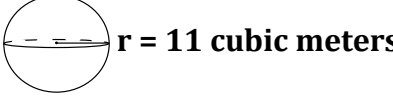



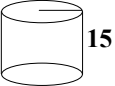

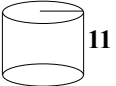



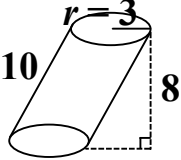
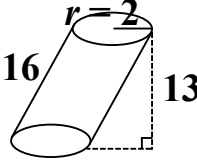
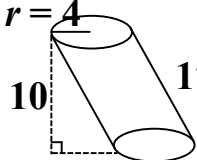
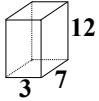
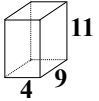
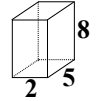
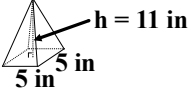
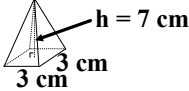
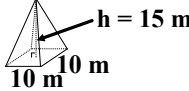
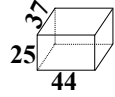
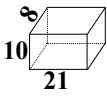
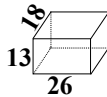


Unit 9 Study Guide

<p>1A. Which of the following is not a cross section of the prism?</p>  <p>a. Triangle b. Circle c. Rectangle d. Parallelogram</p>	<p>1B. Which of the following is not a cross section of the pyramid?</p>  <p>a. Rectangle b. Triangle c. Trapezoid d. Ellipse</p>	<p>1C. Which of the following is not a cross section of the cylinder?</p>  <p>a. Circle b. Rectangle c. Triangle d. Ellipse</p>
<p>2A. The shaded circle is a great circle. What is the radius of the sphere?</p> 	<p>2B. The shaded circle is a great circle. What is the diameter of the sphere?</p> 	<p>2C. The shaded circle is a great circle. What is the diameter of the sphere?</p> 
<p>3A. What is the approximate volume of the sphere shown? Write the answer in terms of pi.</p> 	<p>3B. What is the approximate volume of the sphere shown? Write the answer in terms of pi.</p> 	<p>3C. What is the approximate volume of the sphere shown? Write the answer in terms of pi.</p> 
<p>4A. The volume of a cone is 151 cubic meters and the height of a cone is 11 meters. What is the radius of the cone to the nearest whole number?</p> 	<p>4B. The volume of a cone is 200 cubic inches and the height of a cone is 15 inches. What is the radius of the cone to the nearest whole number?</p> 	<p>4C. The volume of a cone is 184 cubic feet and the height of a cone is 8 feet. What is the radius of the cone to the nearest whole number?</p> 
<p>5A. The cylinder has a radius of 2 inches. What is the volume of the cylinder? Write the answer in terms of pi.</p> 	<p>5B. The cylinder has a radius of 7 inches. What is the volume of the cylinder? Write the answer in terms of pi.</p> 	<p>5C. The cylinder has a radius of 9 inches. What is the volume of the cylinder? Write the answer in terms of pi.</p> 

<p>6A. A square pyramid has a volume of 48 cubic feet and a height of 9 ft. What is the approximate length of each side of the base to the nearest whole number?</p> 	<p>6B. A square pyramid has a volume of 256 cubic centimeters and a height of 12 cm. What is the approximate length of each side of the base to the nearest whole number?</p> 	<p>6C. A square pyramid has a volume of 60 cubic inches and a height of 20 in. What is the approximate length of each side of the base to the nearest whole number?</p> 
<p>7A. The cylinder has a radius of 3 cm, a slant height of 10 cm, and a height of 8 cm. What is the volume of the cylinder? Write the answer in terms of pi.</p> 	<p>7B. The cylinder has a radius of 2 cm, a slant height of 16 cm, and a height of 13 cm. What is the volume of the cylinder? Write the answer in terms of pi.</p> 	<p>7C. The cylinder has a radius of 4 cm, a slant height of 17 cm, and a height of 10 cm. What is the volume of the cylinder? Write the answer in terms of pi.</p> 
<p>8A. What is the volume of the prism?</p> 	<p>8B. What is the volume of the prism?</p> 	<p>8C. What is the volume of the prism?</p> 
<p>9A. What is the volume of the pyramid?</p> 	<p>9B. What is the volume of the pyramid?</p> 	<p>9C. What is the volume of the pyramid?</p> 
<p>10A. What will the new volume be if all of the dimensions are doubled?</p> 	<p>10B. What will the new volume be if all of the dimensions are tripled?</p> 	<p>10C. What will the new volume be if all of the dimensions are doubled?</p> 

Answers:

1A. B	1B. D	1C. C	2A. 9 in	2B. 40 yd	2C. 10m
3A. 972π ft	3B. 3658.7π in	3C. 1774.7π m	4A. 2 m	4B. 2 in	4C. 3 ft
5A. 60π in	5B. 392π in	5C. 891π in	6A. 4 ft	6B. 8 cm	6C. 3 in
7A. 72π cm	7B. 52π cm	7C. 160π cm	8A. 252	8B. 396	8C. 80
9A. 91.6 in	9B. 21 cm	9C. 500 m	10A. 325,600	10B. 45,360	10C. 48,672