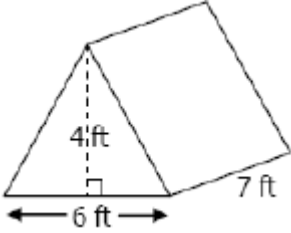
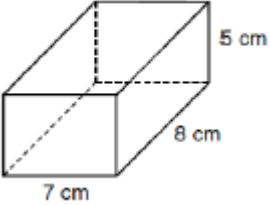
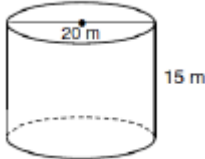
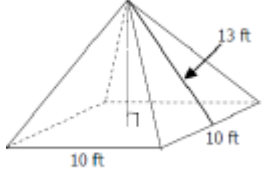


Chapter 11 Study Guide #1

<p>1. Find the area of a circle with a diameter of 30 inches.</p>	<p>2. The circumference of a circle is 12π, what is the radius</p>
<p>3. Find the volume.</p> 	<p>4. Find the volume.</p> 
<p>5. Find the volume</p> 	<p>6. Find the volume.</p> 
<p>7. Find the volume of a sphere whose surface area is $324\pi \text{ cm}^2$.</p>	<p>8. A regular rectangular pyramid has a base length of 8 cm and a width of 9 cm. The volume of the pyramid is 576 cm^3. Find the height.</p>
<p>9. The volume of a cylinder is 794.3 cm^3. The height of the cylinder is 7 cm. Calculate the radius of the cylinder to the nearest tenth of a centimeter.</p>	<p>10. Find the surface area of a sphere with a great circle that has an area of $49\pi \text{ mi}^2$.</p>

<p>11. Find the radius of a sphere with a surface area of $1024\pi \text{ in}^2$.</p>	<p>12. Find the radius of a sphere with a surface area of $196\pi \text{ in}^2$.</p>
<p>13. The volume of a cylinder is $100\pi \text{ in}^3$. The height of the cylinder is 6 in. Calculate the radius of the cylinder to the nearest tenth of a centimeter.</p>	<p>14. The volume of a cylinder is 5428.7 in^3. The height of the cylinder is 3 in. Calculate the radius of the cylinder to the nearest tenth of a centimeter.</p>
<p>15. Mrs. Claus is taking an art class. Her art project is to make a cone vase. If the vase has a volume of 157 in^3, and a diameter of 10 inches. What is the height to the nearest inch?</p>	<p>16. The base of a pyramid is a rectangle with a width of 8 cm and a length of 9 cm. Find the height of the pyramid if the volume is 264 cm^3.</p>
<p>17. The volume of a cylinder is $375\pi \text{ in}^3$. If the height is 15 in, what is the length of the diameter?</p>	<p>18. Find the surface area of a sphere with a great circle that has an area of $400\pi \text{ mi}^2$.</p>
<p>19. A rectangular prism measuring 6 in and 3 in along the base and 6 in tall.</p>	<p>20. A prism 8 in tall with a right triangle for a base with side lengths 3 in, 4 in, and 5 in.</p>