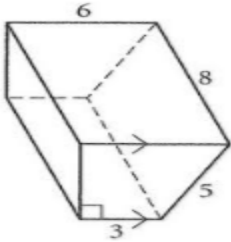
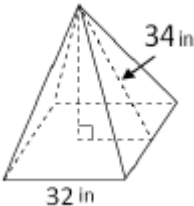
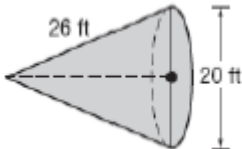
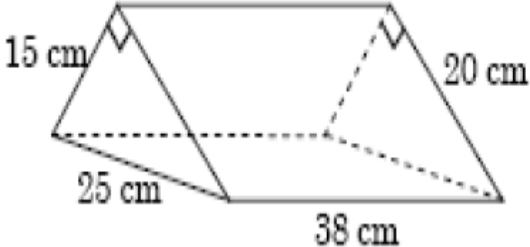
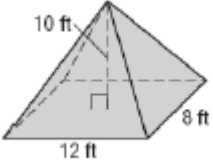
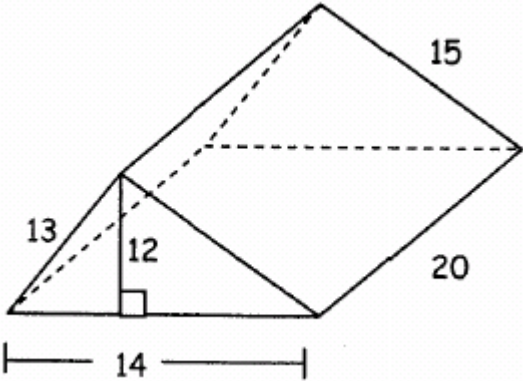


Chapter 11 Study Guide #2

<p>1. Find the area and circumference of a circle with a diameter of 48 inches.</p>	<p>2. The circumference of a circle is 30π cm, what is the area of the circle?</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 $1,296\pi$ cm².</p>	<p>8. A regular pyramid has a right triangle as a base. The right triangle has a hypotenuse of 26 cm and a leg of 24 cm. The height of the pyramid is 30 cm. Find the volume of the pyramid.</p>
<p>9. Find the volume.</p> 	<p>10. Find the surface area of a sphere with a great circle that has an area of 289π mi².</p>

<p>11. Find the radius of a sphere with a surface area of $784\pi \text{ in}^2$.</p>	<p>12. The volume of a cone is $180\pi \text{ yd}^3$. The height of the cone is 15 yd. Find the radius of the cone.</p>
<p>13. The volume of a cylinder is $300\pi \text{ in}^3$. The height of the cylinder is 24 in. Calculate the radius of the cylinder to the nearest tenth of a centimeter.</p>	<p>14. The volume of a cylinder is $6,450 \text{ in}^3$. The height of the cylinder is 120 in. Calculate the radius of the cylinder to the nearest tenth of a centimeter.</p>
<p>15. The base of a pyramid is a right triangle with leg lengths of 24 inches and 45 inches. The height of the pyramid is 21 inches. Find the volume of the pyramid.</p>	<p>16. Find the volume of a rectangular prism with a length of 30 cm, width of 12 cm and a height of 24 cm.</p>
<p>17. Find the volume of a cylinder that has a radius of 14 cm and a height of 25 cm.</p>	<p>18. Find the volume of a cone that has a diameter of 14 yards and a slant height of 25 yards.</p>
<p>19. A regular square pyramid has base edge 18 cm and volume $1,728 \text{ cm}^3$. Find the height.</p>	<p>20. Find the volume.</p> 

Find the volume.

