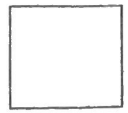


8.6 HW

Name: _____

Unit 11: Volume & Surface Area



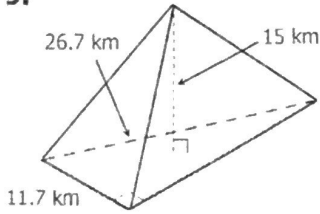
Date: _____ Bell: _____

Homework 8: Volume of Pyramids & Cones

**** This is a 2-page document! ****

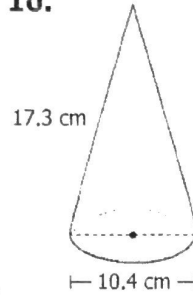
Directions: Find the volume of each figure. Round to the nearest hundredth when necessary.	
<p>1.</p> <p>22 cm 14 cm 14 cm</p> <p>1437.33 cm^3</p>	<p>2.</p> <p>3 km 8 km</p> <p>75.4 km^3</p>
<p>3.</p> <p>8 ft 3.7 ft 12 ft</p> <p>59.2 ft^3</p>	<p>4.</p> <p>5.7 yd 9 yd 23 yd</p> <p>393.3 yd^3</p>
<p>5.</p> <p>19 m 12 m</p> <p>$1,134.11 \text{ m}^3$</p>	<p>6.</p> <p>11 mm 8 mm $B = 110 \text{ mm}^2$</p> <p>403.33 mm^3</p>
<p>7.</p> <p>7.2 in 9.7 in</p> <p>405.6 in^3</p>	<p>8.</p> <p>24 ft 16 ft 16 ft</p> <p>886.8 ft^3</p>

9.



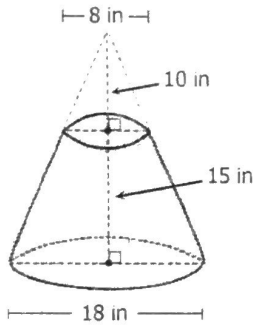
$$702 \text{ km}^3$$

10.



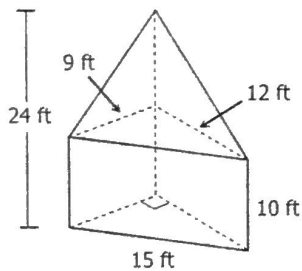
$$467.22 \text{ cm}^3$$

11. Find the volume of the shaded solid below.



$$1953.03 \text{ in}^3$$

12. Find the total volume of the solid below.



$$792 \text{ ft}^3$$

13. A cone with a radius of 6 meters has a volume of 542.87 m^3 . Find the slant height of the cone.

$$15.6 \text{ m}$$