8.5 HW

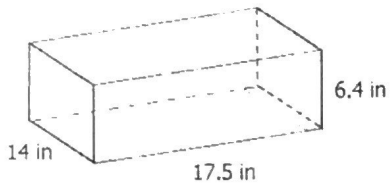
**Name:** Key **Unit 11:** Volume & Surface Area

**Date:** _____ **Bell:** _____ **Homework 7:** Volume of Prisms & Cylinders

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

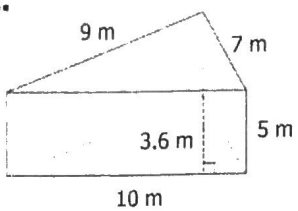
**Directions:** Find the volume of each figure. Round to the nearest hundredth when necessary.

**1.**



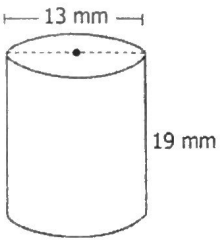

1,568 $in^3$

**2.**



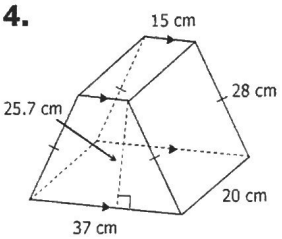

90 $m^3$

**3.**



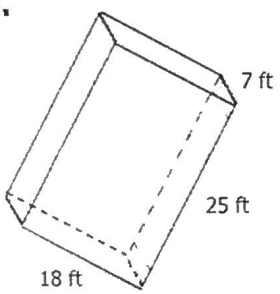

2521.91 $mm^3$

**4.**



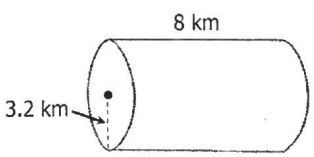

13,394 $cm^3$

**5.**



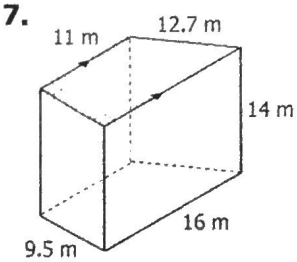

3,150 $ft^3$

**6.**



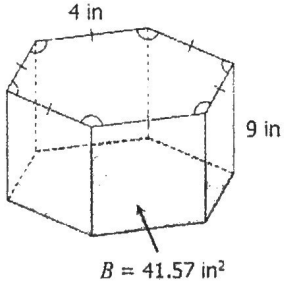

257.36 $km^3$

**7.**



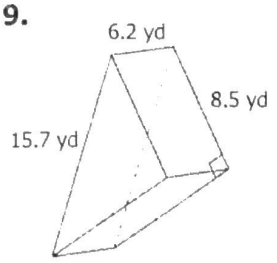

1,795.5 $m^3$

**8.**



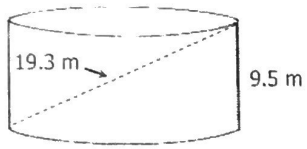

374.13 $in^3$

**9.**



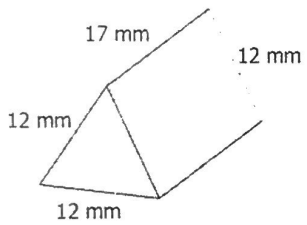

$347.82\ yd^3$

**10.**




$2150.87\ m^3$

**11.**




$1060.8\ mm^3$

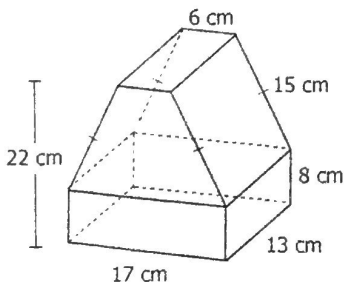
**12.** The volume of a rectangular prism is 655.2 $ft^3$. If the base of the prism is 9 feet by 5.2 feet, find the height of the prism.

$h = 14\ ft$

**13.** If a cylinder has a height of 7 inches and a volume of 2,908.33 $in^3$, find its diameter.

$d = 23\ in$

**14.** Find the total volume of the solid below.




$3,861\ cm^3$