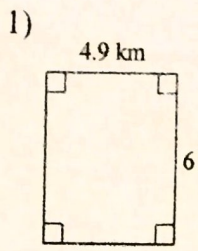


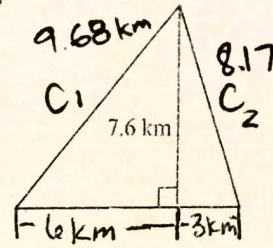
G1: Test Review - C Level

Find the area and perimeter of each shape.



Area = $(4.9)(6) = 29.4 \text{ km}^2$

Perimeter = $4.9 + 6 + 4.9 + 6 = 21.8 \text{ km}$

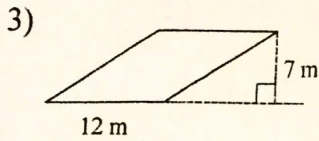


Area = $\frac{(9)(7.6)}{2} = 34.2$

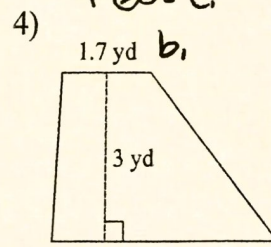
$3^2 + 7.6^2 = c^2$
 $9 + 57.76 = c^2$
 $\sqrt{66.76} = \sqrt{c^2}$
 $8.17 = c$

Perimeter = $9 + 8.17 + 9.68 = 26.85 \text{ km}$

Find the area each shape.



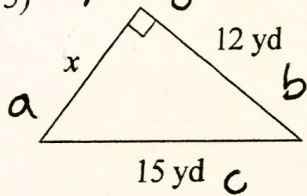
$A = bh$
 $= 12(7)$
 $= 84 \text{ km}^2$



$A = \frac{(b_1 + b_2)h}{2} = \frac{(1.7 + 4.3)(3)}{2} = \frac{(6)3}{2} = 9 \text{ yd}^2$

Find the missing side of the triangle. Round your answers to the nearest hundredth if necessary.

5) Pythagorean Thm



$a^2 + b^2 = c^2$
 $x^2 + 12^2 = 15^2$
 $x^2 + 144 = 225$
 $-144 \quad -144$

$\sqrt{x^2} = \sqrt{81}$

$x = 9 \text{ yd}$

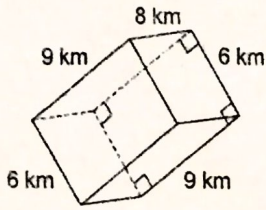
6) Find the area and perimeter of the triangle in #5.

Area = $\frac{bh}{2} = \frac{9 \cdot 12}{2} = 54 \text{ yd}^2$

P = $9 + 12 + 15 = 36 \text{ yd}$

Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

7)



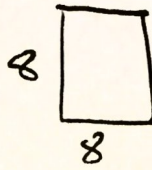
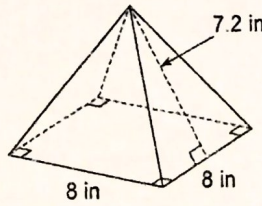
$$SA = 2(6 \cdot 8 + 6 \cdot 9 + 9 \cdot 8)$$

$$= 2(48 + 54 + 72)$$

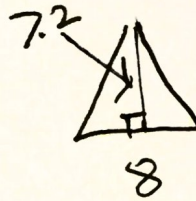
$$= 2(174)$$

$$= \boxed{348 \text{ yd}^2}$$

8)



$$A = 8 \cdot 8 = 64 \text{ in}^2$$



$$A = \frac{bh}{2} = \frac{8(7.2)}{2} = 28.8$$

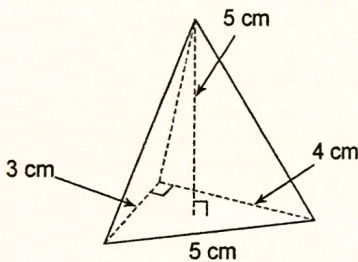
$$SA = 64 + 4(28.8)$$

$$= 64 + 115.2$$

$$= \boxed{179.2 \text{ in}^2}$$

Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

9)



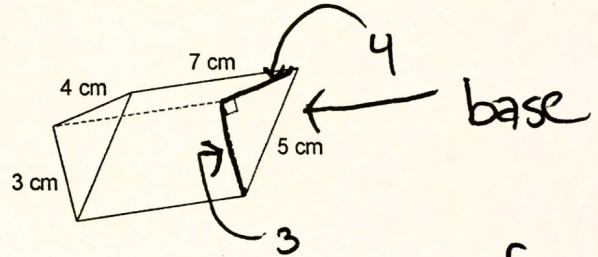
$$V = \frac{1}{3} (\text{area of base})(\text{height})$$

$$= \frac{1}{3} \left(\frac{3 \cdot 4}{2} \right) (5)$$

$$= \frac{1}{3} (6)(5)$$

$$= \frac{30}{3} = \boxed{10 \text{ cm}^3}$$

10)



$$\text{Volume of prism} = \text{area of base} (\text{length})$$

$$= (\text{area of base})(\text{height})$$

$$= \left(\frac{3 \cdot 4}{2} \right) (7)$$

$$= \left(\frac{12}{2} \right) (7)$$

$$= 6 \cdot 7 = \boxed{42 \text{ cm}^3}$$