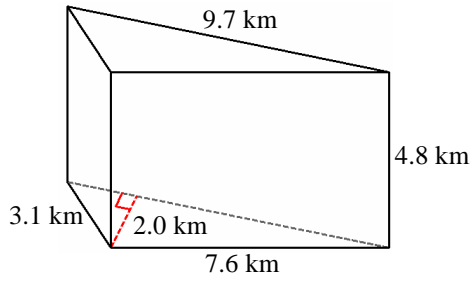


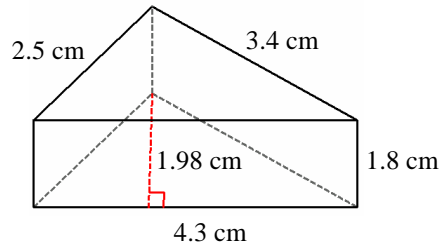
Volume and Surface Area of Triangular Prisms (D)

Instructions: Find the volume and surface area for each triangular prism.

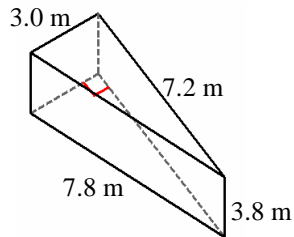
1)



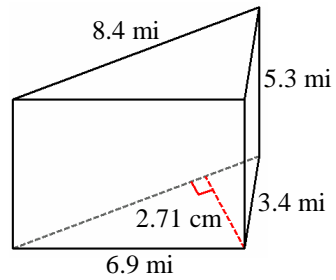
2)



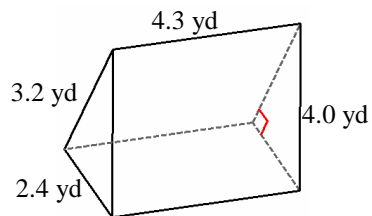
3)



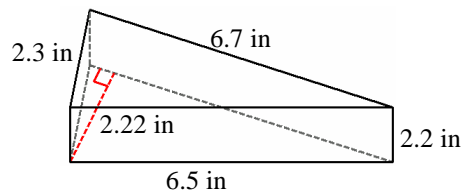
4)



5)



6)

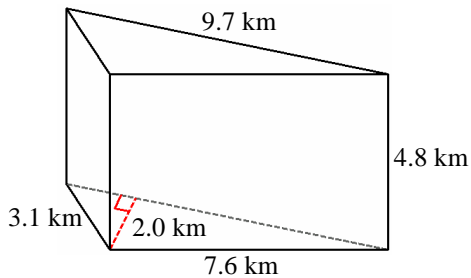


Volume and Surface Area of Triangular Prisms Answer (D)

Instructions: Find the volume and surface area for each triangular prism.

Formula: Volume (V) = 0.5 x bhl, Surface Area (A) = bh+(s1+s2+s3)l

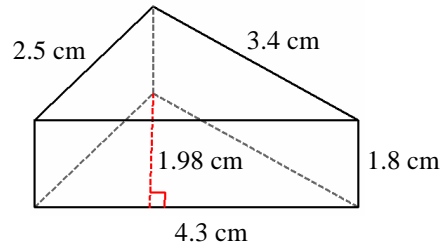
1)



$$V = 0.5 \times 9.7 \times 2.00 \times 4.8 = 46.6 \text{ km}^3$$

$$A = (9.7 \times 2.00) + ((9.7 + 3.1 + 7.6) \times 4.8) = 117.3 \text{ m}^2$$

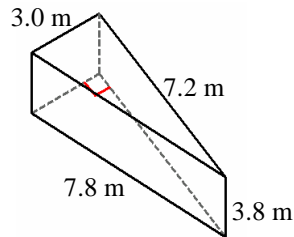
2)



$$V = 0.5 \times 4.3 \times 1.98 \times 1.8 = 7.7 \text{ cm}^3$$

$$A = (4.3 \times 1.98) + ((4.3 + 2.5 + 3.4) \times 1.8) = 26.9 \text{ cm}^2$$

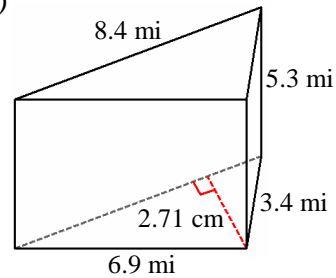
3)



$$V = 0.5 \times 3.0 \times 7.2 \times 3.8 = 41.0 \text{ m}^3$$

$$A = (3.0 \times 7.2) + ((3.0 + 7.2 + 7.8) \times 3.8) = 90.0 \text{ m}^2$$

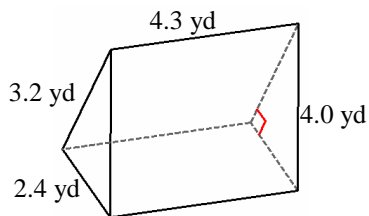
4)



$$V = 0.5 \times 8.4 \times 2.71 \times 5.3 = 60.3 \text{ mi}^3$$

$$A = (8.4 \times 2.71) + ((8.4 + 3.4 + 6.9) \times 5.3) = 121.9 \text{ mi}^2$$

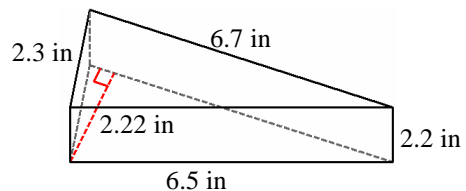
5)



$$V = 0.5 \times 2.4 \times 3.2 \times 4.3 = 16.5 \text{ yd}^3$$

$$A = (2.4 \times 3.2) + ((2.4 + 3.2 + 4.0) \times 4.3) = 49.0 \text{ yd}^2$$

6)



$$V = 0.5 \times 6.7 \times 2.22 \times 2.2 = 16.4 \text{ in}^3$$

$$A = (6.7 \times 2.22) + ((6.7 + 2.3 + 6.5) \times 2.2) = 49.0 \text{ in}^2$$