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V of prism = area base \* height

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

- ① Prism = volume of 396 cubic cm  
Pyramid = (same base + height)  $\frac{1}{3}$

$$\frac{1}{3} \cdot 396 \quad \sqrt[3]{396}$$

- ② Pyramid = 250 cubic in.  
Prism =

$$250 \times 3 = 750 \text{ cubic in}$$
$$750 \text{ in}^3$$

④ 1050 cm<sup>3</sup>

⑤ 106 cm<sup>3</sup>

⑪ 241 in<sup>3</sup>

⑬  $6\frac{2}{3} \cdot 2\frac{1}{4} = \frac{20^5}{3_1} \cdot \frac{2^3}{4_1} = \frac{15}{1} = 15 \text{ lbs}$

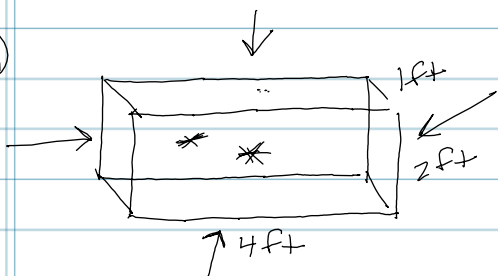
⑮ dist. 108 + 324 answer 432 cubic in

⑰  $\approx 9$  inches

⑱ 3 times ; 342 cubic cm

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①



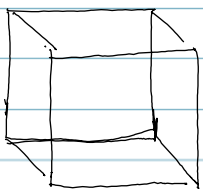
Volume = 8 cubic ft  
 Surface area = 28 sq. ft

Prism

Base (area) \* height ( 2 x 1 x 4 height )  
 Volume is 8 cubic ft.

Faces on this prism = 6

2 faces (base/top) = area = 2 sq. ft = 4 sq ft  
 2 faces = area 4 x 2 = 8 sq ft = 16 sq ft  
 2 faces = area 4 x 1 = 4 sq ft = 8 sq ft



Cube = 4 ft on one side

Surface area = 16 \* 6 = 96 sq ft  
 Volume = area base (16) \* 4 = 64 cubic ft.

② base (3.14 x 36) 113.04 sq. in (Volume)

113.04

x 12

⊗ Volume 1,356.48 cubic in.

SA = 1678.24 sq. in

Area = l x w

12 x (12 \* π)

12 x 37.68 = 452.16 + 113.04 + 113.04

or :

