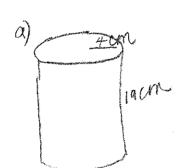
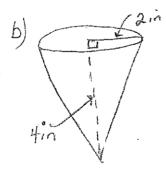
Mr. Wood wants to intall a huge fish tank in the lobby. It will have the following inside measurements: 8' X 5' 6" X 4' 6". How many square meters of glass will be required. You can only get glass by the full square meter and the company allows for 2 square meters for corner overlaps and wastage? How many square meters of glass will be required?

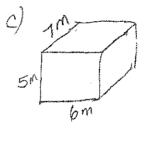
If the glass costs $25.99/m^2$, and the cost of the manufacturing and installations is \$999.99, what is the total price of the tank?

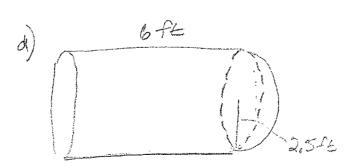
How much water will the tank hold in Liters? In Kiloliters? (Hint: Convert to cm³ after finding the volume in feet.)

Do the Surface Area and Volume of each of these shapes:









Answers:

$$V = 198 \text{ ft}^3 \rightarrow 5606735 \text{ cm}^3$$

= $5606735 \text{ m}/$
= 5606.7 h
= 5.6 f

a)
$$SA = 578.1 \text{ cm}^2$$

 $V = 955.64 \text{ cm}^3$

b)
$$SA = 40.7 \text{ in }^2$$

 $V = 16.8 \text{ in }^3$

c)
$$SA = 214m^2$$

 $V = 210m^3$

a)
$$SA = 153.1 ft^{2}$$

= $150.5 ft^{3}$