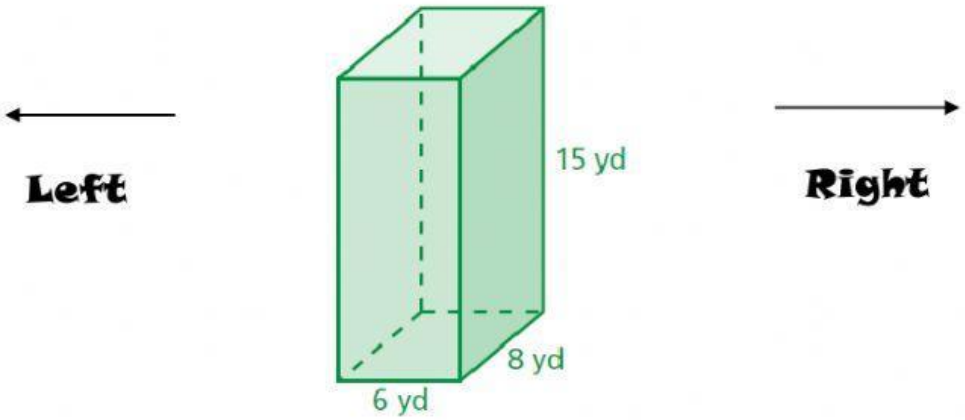
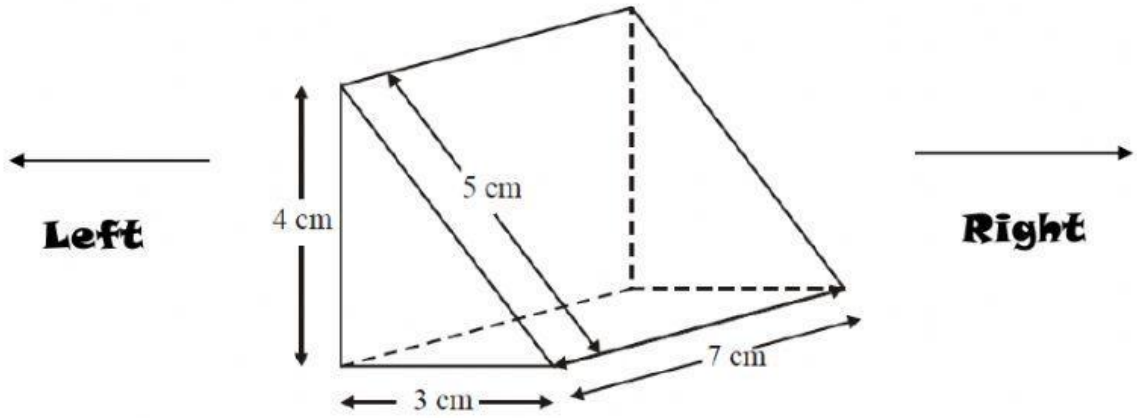
Name: Class:

SURFACE AREA and VOLUME of 3D Shapes



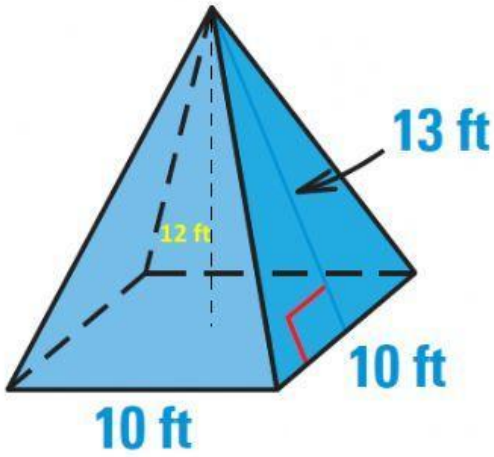
1) Name of the shape:

SURFACE AREA			
Area of bottom face: yd^2 Area of top face: yd^2	Area of front face: yd^2 Area of back face: yd^2	Area of left face: yd^2 Area of right face: yd^2	Surface Area: yd^2
VOLUME			
The name of the base shape:	Area of the base: Yd^2 The height of prism: yd	Volume: yd^3 $Base\ area \times Height$ or $\frac{1}{3} \times Base\ area \times Height$	



2) Name of the shape:

SURFACE AREA			
Area of bottom face: cm^2	Area of front face: cm^2 Area of back face: cm^2	Area of left face: cm^2 Area of right face: cm^2	Surface Area: cm^2
VOLUME			
The name of the base shape:	Area of the base: cm^2 The heigh of prism: cm	Volume: cm^3 $Base\ area \times Height$ or $\frac{1}{3} \times Base\ area \times Height$	



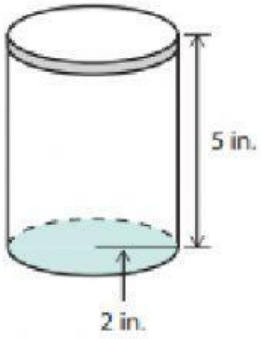
3) TRUE or FALSE:

No	Statement	TRUE (T) or FALSE (F)
a.	The name of the solid is square pyramid	
b.	The slant height of the solid is 13 ft	
c.	The height of the solid is 14 ft	
d.	The base of the solid is a rectangle	
e.	The surface area of the solid is the total area of 1 rectangle and 4 triangles	
f.	The formula to find volume of the solid is $Area\ of\ the\ base \times Height$	

Calculate the Surface Area of the solid : ft^2

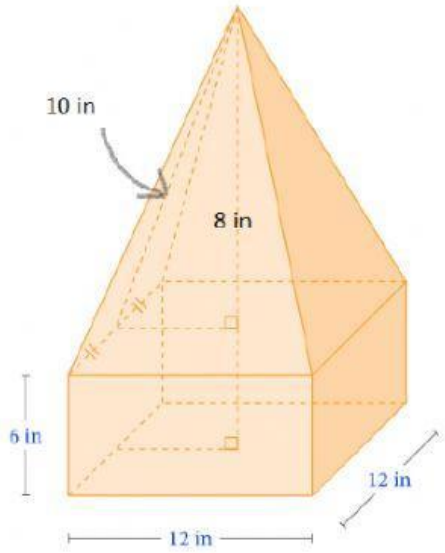
Calculate the Volume of the solid : ft^3

4) Tom is making strawberry jelly and is going to put it into the jar shown. About how much jelly will he need to fill the jar?
(*use 3.14 for π, and round your answer to the nearest* ***whole number***)



Answer: in^3

5) This model is formed of a pyramid on top of a prism, and its total height is 16 inches. Determine volume and surface area!



Surface Area

Surface area of pyramid: in^2

Surface area of prism: in^2

Total Surface area: in^2

Volume

Volume of pyramid: in^3

Volume of prism: in^3

Total Volume: in^3