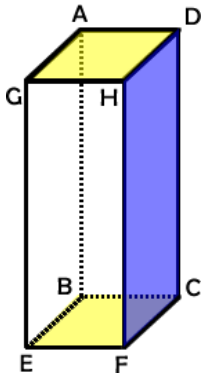
Geometry (G.GMD.3)
Unit Three: Prisms (HW7)

Name: _____
Date: _____ Period: _____

1. Match the following terms to the diagram.

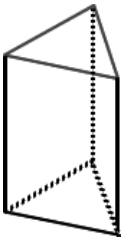
Given the rectangular prism **with face BCFE as one of its bases**. Give an example of each of the requested parts of the prism below that is different from the one in your notes.



1. Edge _____
2. Lateral Face _____
3. Base _____
4. Vertex _____
5. Height _____

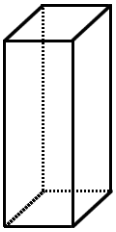
2. Properly name the following prisms.

a)



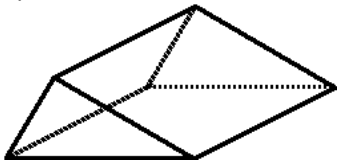
Name: _____

b)



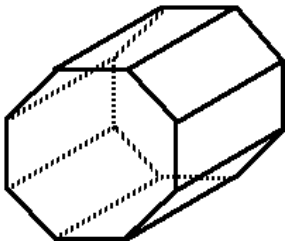
Name: _____

c)



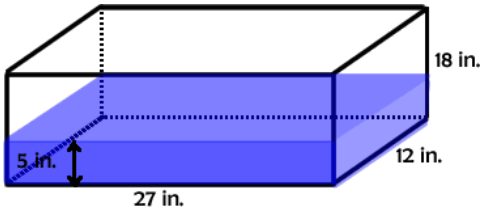
Name: _____

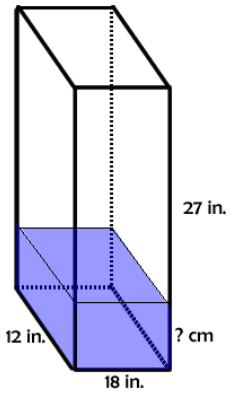
d)



Name: _____

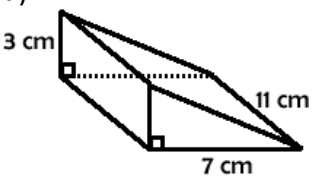
3. An enclosed glass box contains 1620 in^3 of water. When the glass box is tilted on its side the water shifts places. What is the relationship of the water before and after the tilting? What is the height of the water when the box is tiled upright?





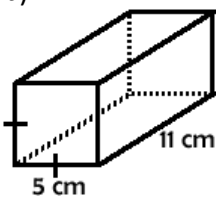
4. Determine the volume of the prisms. (Lines that appear perpendicular are perpendicular.)

a)



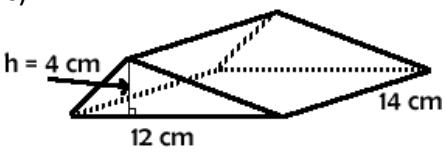
Volume = _____ (1 dec.)

b)



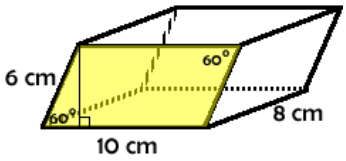
Volume = _____

c)



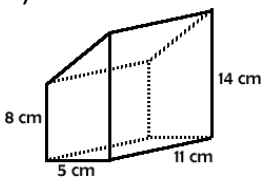
Volume = _____

d)



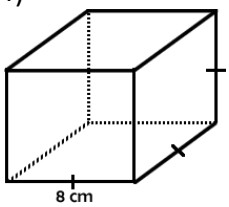
Volume = _____ (E)

e)



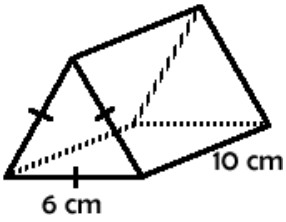
Volume = _____

f)



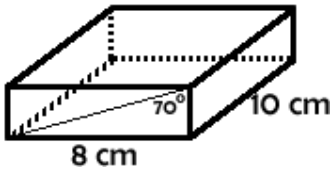
Volume = _____

g) Equilateral Triangular Prism



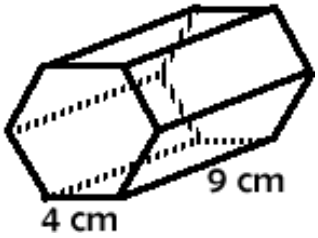
Volume = _____ (E)

h)



Volume = _____ (2 dec.)

i) Regular Hexagonal Prism



Volume = _____ (E)