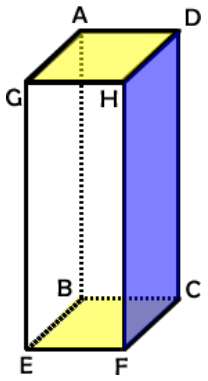
WORKSHEET 10-1 R **Name** _____ **Due** _____ **Section** _____

1. Match the following terms to the diagram.

Given the rectangular prism **with face BCFE as one of its bases**. Use each value ONLY ONCE.



_____ 1. Edge

_____ 2. Lateral Face

_____ 3. Base

_____ 4. Vertex

_____ 5. Altitude

_____ 6. Slice

A. Rectangle ADHG

B. $\overline{HF}$

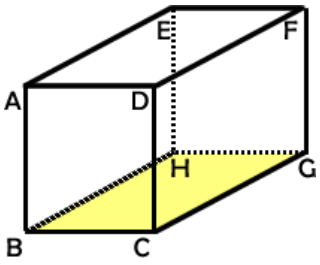
C. $\overline{AD}$

D. Point B

E. Parallelogram GDCE

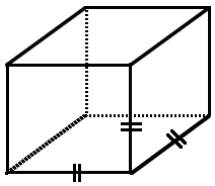
F. Rectangle HDCF

2. After looking at the rectangular prism to the right, a young lady in the class raises her hand and says, "Could I use rectangle ADCB as my base instead of rectangle BHGC?" How should the teacher respond?



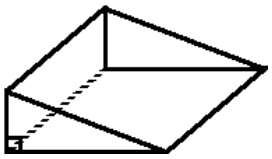
3. Properly name the following prisms or pyramids (assume that segments that look perpendicular are):

a)



Name: _____

b)



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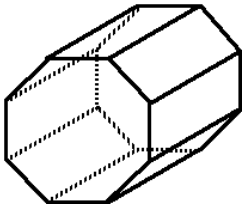
c)



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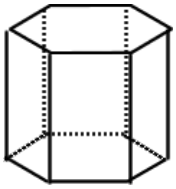
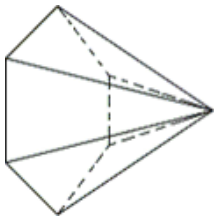
d)



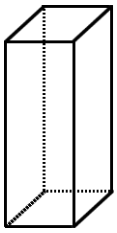
Name: _____

e)



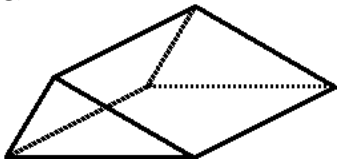
Name: _____

f)



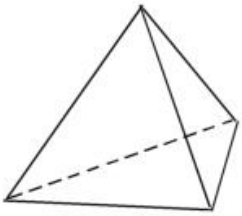
Name: _____

g)



Name: _____

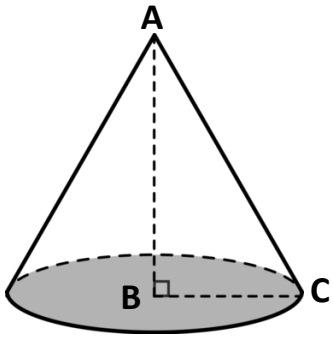
h)



Name: _____

Classify each figure. Complete the questions in each table.

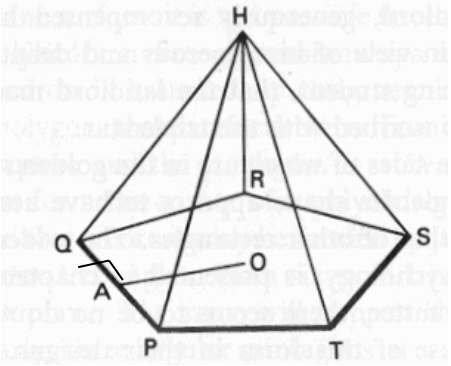
4)



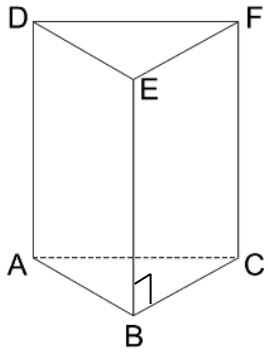
Name of Solid	
Number of Bases	
Altitude	
Right or Oblique?	
Formula to find the area of the base	
Is AC the same length as AB?	

5)

Name of Regular Right Polyhedron with base centered at O	
Altitude	
Relationship of $\overline{HO}$ to $\overline{OA}$	
Apothem	
Formula to find the area of the base	

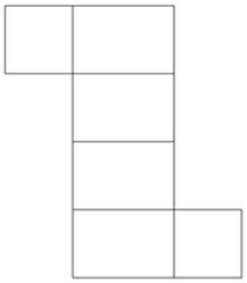


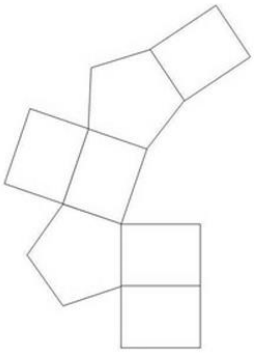
6)

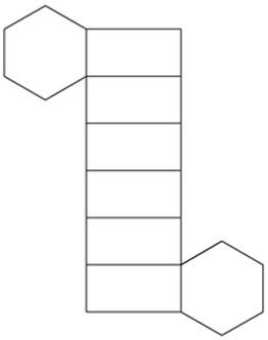


Name of Polyhedron	
Shape of Lateral Faces	
Total Number of Faces	
Number of Edges	
Edge perpendicular to $\overline{EF}$ intersecting at vertex E	
Translation vector from vertex B	
Edge skew to $\overline{EF}$ (3 possible answers)	
Formula to find the area of the base	

7. Identify the right regular prism that could be made from each of the following nets:

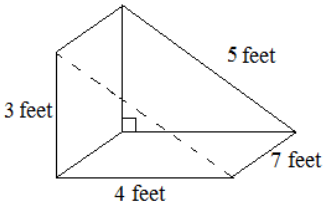






_____ _____ _____

8. Draw a net for the following right prism:



9. Which can be a true statement about the right triangular prism whose net is shown?
   a. Faces L and M are perpendicular
   b. Faces N and P are perpendicular
   c. Faces K and L are parallel
   d. Faces N and P are parallel