

# Activity One HOMEWORK Geometry of Solids

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Vocabulary:

faces

bases (top and bottom)

edges

lateral faces

vertices

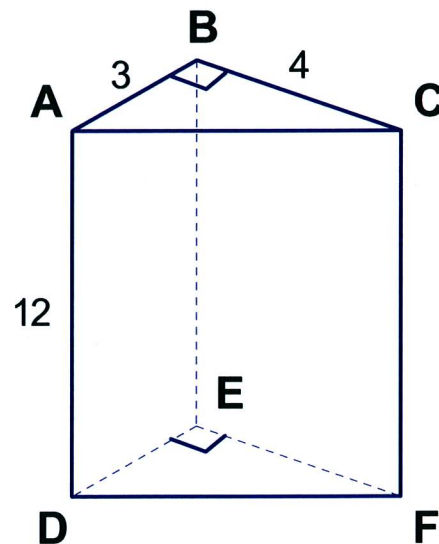
lateral edges

prism

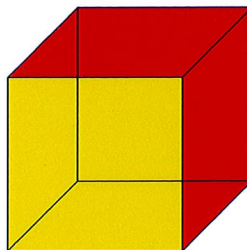
cube

### Exercises

1. Name the bases of the prism:  $\triangle ABC$  and \_\_\_\_\_
2. Name the lateral faces of the prism.  
\_\_\_\_\_
3. What shape are the lateral faces of the prism?
4. Name the lateral edges of the prism.  
\_\_\_\_\_
5. What is the height of the prism?
6. What is the perimeter of the base?
7. What is the total area of all of the faces?
8. How many vertices does the figure have?
9. How many edges does the figure have?
10. How many faces does the figure have?



Assume the cube below has edge length 4.



11. How many faces does a cube have?