Practice B
Solid Figures

Identify the number of faces, edges, and vertices in each solid figure.

1.  
   ![Image of a cube]
   ________________  ________________  ________________
   __________________
   __________________
   __________________

2.  
   ![Image of a triangular pyramid]
   ________________  ________________  ________________
   __________________
   __________________
   __________________

3.  
   ![Image of a hexagonal prism]
   ________________  ________________  ________________
   __________________
   __________________
   __________________

Tell whether each figure is a polyhedron and name the solid.

4.  
   ![Image of a cone]
   ________________  ________________  ________________
   __________________
   __________________
   __________________

5.  
   ![Image of a square pyramid]
   ________________  ________________  ________________
   __________________
   __________________
   __________________

6.  
   ![Image of a pentagonal prism]
   ________________  ________________  ________________
   __________________
   __________________
   __________________

7. Kelly wants to make a box in the shape of a cube. How many pieces of wood does she need? In what shape should she cut them? Explain.
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________

8. Kwan made a sculpture in the shape of a polyhedron. It only has one base that is a triangle. What solid figure is her sculpture? Explain your reasoning.
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________
   ________________________________________________________________