1. Identify the figure.

[A] diagonal prism  [B] cube  
[C] hexagonal prism  [D] squared prism

2. Identify the figure.

[A] cubic triangle  [B] triangular prism  
[C] pyramid  [D] hexagonal prism

3. Identify the figure.

[A] cube  [B] hexagonal prism  
[C] rectangular prism  [D] triangular prism

4. Identify the figure.

[A] triangular prism  [B] rectangular prism  
[C] cube  [D] squared prism

5. What figure is MOST LIKE a cone?

[A] prism  [B] sphere  
[C] pyramid  [D] cylinder
6. A space figure with faces that are rectangular cannot be which of the following?
   [A] triangular prism
   [B] pentagonal prism
   [C] cube  [D] rectangular pyramid

7. A space figure with two parallel and congruent bases cannot be which of the following?
   [A] cylinder  [B] prism
   [C] cone  [D] cube

8. Use the figure above. $\overline{BF}$ is parallel to
   [A] $\overline{EH}$.
   [B] $\overline{HG}$.
   [C] $\overline{BA}$.
   [D] none of these.

9. In the cube shown, classify $\triangle AHG$ by its sides.

10. What is the maximum number of different-sized faces that a rectangular prism can have?

11. A parallelepiped is a prism where each of the faces is a parallelogram. Find the value of $x$ and $y$ in the following parallelepiped.

   $2x + 3$  $3y - 1$
   $y + 7$  $15$
[1]  B____
[2]  B____
[3]  B____
[4]  B____
[5]  C____
[6]  D____
[7]  C____
[8]  D____
[9]  isosceles
[10]  C____
[11]  $x = 6, y = 4$