**Characteristics of 3d Shapes**

Use the diagram to determine the faces, vertices and edges of the shapes.

1) Faces: ____  
2) Vertices: ____  
3) Edges: ____

---

10) Which shape has more faces?  
A. sphere  
B. rectangular prism  
C. They both have the same number of faces.

11) Which shape has more vertices?  
A. triangular prism  
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C. They both have the same number of vertices.

12) Which shape has more edges?  
A. rectangular prism  
B. sphere  
C. They both have the same number of edges.
Use the diagram to determine the faces, vertices and edges of the shapes.

1) Faces: 6  
2) Vertices: 8  
3) Edges: 12  

cube

4) Faces: 5  
5) Vertices: 5  
6) Edges: 8  

rectangular pyramid

7) Faces: 5  
8) Vertices: 6  
9) Edges: 9  

triangular prism

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rectangular pyramid

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   A. rectangular pyramid
   B. triangular pyramid
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Use the diagram to determine the faces, vertices and edges of the shapes.

<table>
<thead>
<tr>
<th>Shape</th>
<th>Faces</th>
<th>Vertices</th>
<th>Edges</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rectangular Pyramid</td>
<td>5</td>
<td>5</td>
<td>8</td>
</tr>
<tr>
<td>Cube</td>
<td>6</td>
<td>8</td>
<td>12</td>
</tr>
<tr>
<td>Sphere</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Triangular Prism</td>
<td>4</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
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<td>6</td>
<td>6</td>
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### Answers

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<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
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<td>8</td>
<td>12</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>B</td>
<td>B</td>
<td>A</td>
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Characteristics of 3d Shapes

Use the diagram to determine the faces, vertices and edges of the shapes.

1) sphere
   - Faces: 0
   - Vertices: 0
   - Edges: 0

2) cube
   - Faces: 6
   - Vertices: 8
   - Edges: 12

3) triangular pyramid
   - Faces: 4
   - Vertices: 4
   - Edges: 6

4) triangular prism
   - Faces: 6
   - Vertices: 8
   - Edges: 12

5) sphere
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   - Vertices: 0
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Characteristics of 3D Shapes

Use the diagram to determine the faces, vertices, and edges of the shapes.

1) Triangular prism
   - Faces: 5
   - Vertices: 6
   - Edges: 9

2) Sphere
   - Faces: 0
   - Vertices: 0
   - Edges: 0

3) Triangular pyramid
   - Faces: 4
   - Vertices: 4
   - Edges: 6

4) Rectangular pyramid

5) Triangular pyramid

6) Rectangular prism

7) Sphere

8) Triangular pyramid

9) Triangular pyramid

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Characteristics of 3d Shapes

Use the diagram to determine the faces, vertices and edges of the shapes.

1. **triangular prism**
   - Faces: **5**
   - Vertices: **6**
   - Edges: **9**

2. **triangular pyramid**
   - Faces: **4**
   - Vertices: **4**
   - Edges: **6**

3. **sphere**
   - Faces: **0**
   - Vertices: **0**
   - Edges: **0**

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2) Vertices: \(0\)  
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4) Faces: \(6\)  
5) Vertices: \(8\)  
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