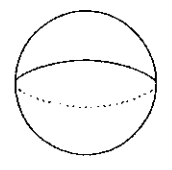
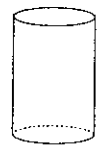
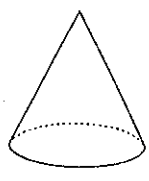
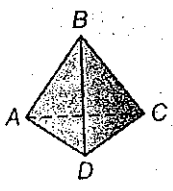
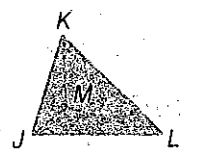
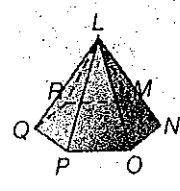
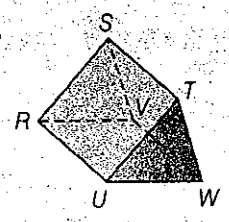
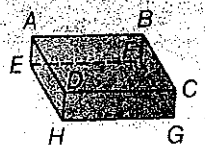
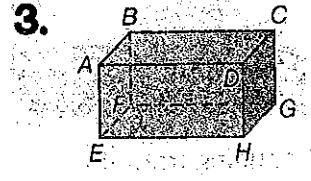
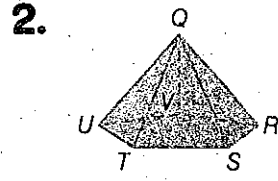
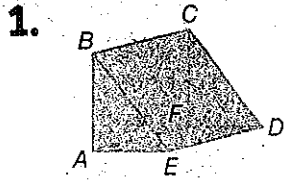
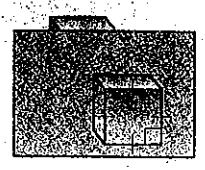
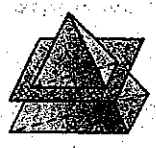
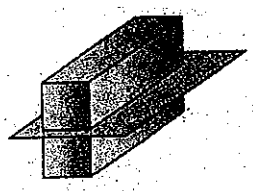


Identify the figure.



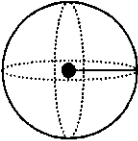

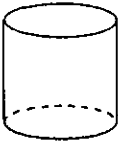

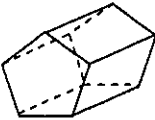
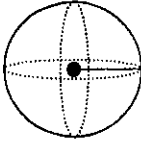
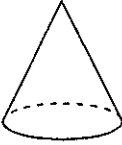


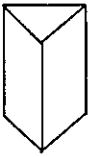
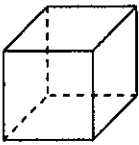
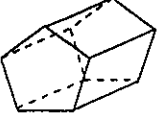
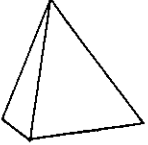
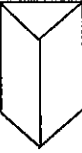
Describe the shape resulting from each cross section.



Name \_\_\_\_\_

## Why Did the Plane Cross the Figure?

**Directions:** Sketch and state the figure that is the cross section described for the given figure and the stated plane.

<p>1. Passing through the center</p> 	<p>2. Parallel to the base</p> 	<p>3. Parallel to the base</p> 
<p>4. Parallel to the base</p> 	<p>5. Parallel to the base (the pentagon is the base)</p> 	<p>6. Passing through the top with a horizontal plane</p> 
<p>7. Perpendicular to the base passing through the vertex</p> 	<p>8. Perpendicular to the base</p> 	<p>9. Perpendicular to the base passing through the vertex</p> 
<p>10. Parallel to the base</p> 	<p>11. Parallel to the base</p> 	<p>12. Perpendicular to the base (the pentagon is the base)</p> 
<p>13. Parallel to the base</p> 	<p>14. Perpendicular to the base</p> 	<p>15. At an angle with the base and passes through both the front and back sides of the figure</p> 