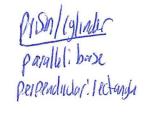
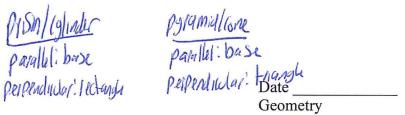
Name Schlansky	
Mr. Schlansky	





## Cross Sections

1. A plane intersects a cylinder perpendicular to its bases.

Vertical

This cross section can be described as a

- 1) rectangle
- 2) parabola

- 3) triangle
- 4) circle



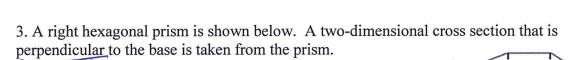
2. A plane intersects a cylinder parallel to its bases.



This cross section can be described as a

- 1) rectangle
- 2) parabola

- 3) triangle
- 4) circle



Vertige Which figure describes the two-dimensional cross section?

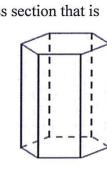
- 1) triangle
- 2) rectangle
- 3) pentagon
- 4) hexagon

4. A right hexagonal prism is shown below. A two-dimensional cross section that is parallel to the base is taken from the prism.

horizontal

Which figure describes the two-dimensional cross section?

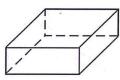
- 1) triangle
- 2) rectangle
- 3) pentagon
- 4) hexagon



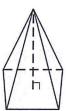
5. A square pyramid is intersected by a plane passing through the vertex and parallel to the base. Which two-dimensional shape describes this cross section? 1) square 3) pentagon 2) triangle 4) rectangle 6. A square pyramid is intersected by a plane passing through the vertex and perpendicular to the base. Westlal Which two-dimensional shape describes this cross section? 1) square 3) pentagon 2) triangle 4) rectangle 7. In the diagram below, a plane intersects a square pyramid parallel to its base. Which two-dimensional shape describes this cross section? 1) circle 3) triangle 2) square 4) pentagon 8. In the diagram below, a plane intersects a square pyramid perpendicular to its base. Which two-dimensional shape describes this cross section? 1) circle 3) triangle 2) square 4) pentagon

9. Which figure can have the same cross section as a sphere?





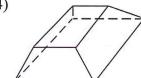
3)



20



4)



10. William is drawing pictures of cross sections of the right circular cone below.

Which drawing can *not* be a cross section of a cone?





2)



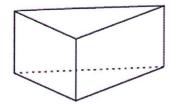
3)



4)



11. The right prism with a triangular base shown below is cut by a plane perpendicular to its bases.



The two-dimensional shape of the cross section is always a

1) triangle

3) pentagon

2) rhombus

