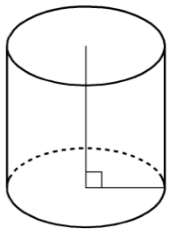
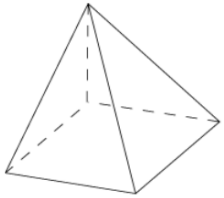
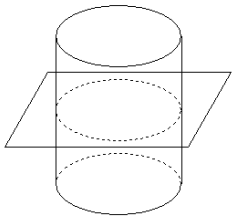
A cross section is





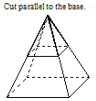
Describe the cross section.



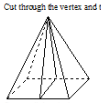
a. The cross section is a circle.
b. The cross section is a cylinder.
c. The cross section is a plane.
d. The cross section is a parallelogram.

A sandwich shop sells cheese. How can the chef cut a square pyramid-shaped piece of cheese to make slices that are squares?

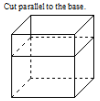
a. Cut parallel to the base.



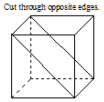
b. Cut through the vertex and the midpoint of two sides of the base.



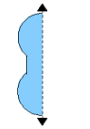
c. Cut parallel to the base.



d. Cut through opposite edges.

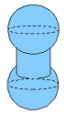


Draw the solid of revolution formed by the shape rotated around the axis given.



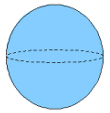
a.

b.



c.

d.



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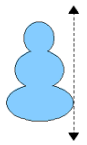
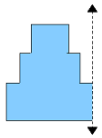
A layered round cake is a solid of revolution. Draw a two-dimensional shape and an axis of rotation that could form the cake.

a.

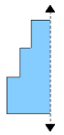
c.



b.



d.



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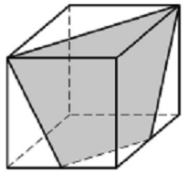
What best describes the cross section shown on the cube?



a. square
b. triangle
c. trapezoid
d. rectangle

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What shape is the cross section formed by the intersection of a cone and a plan parallel to the base of the cone?

a. circle
b. oval
c. trapezoid
d. triangle

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The cross section of a three-dimensional figure is a circle. Which figure could it NOT be?

a. cone
b. sphere
c. prism
d. cylinder