

Name:

Period:



Communication



Successful Partnership



Encouragement



Solving Problem Together



Collaboration

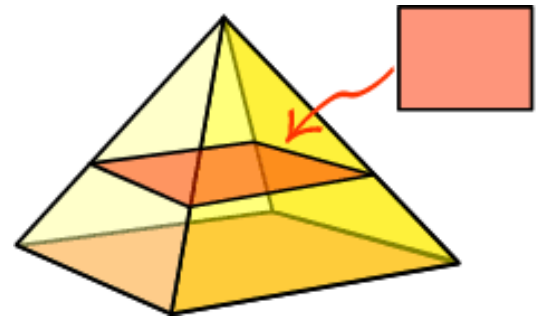
## Lesson 14-4 Classwork

### Calculators OK

#### Question 01

Which **one** of the below describes the area slice shown?

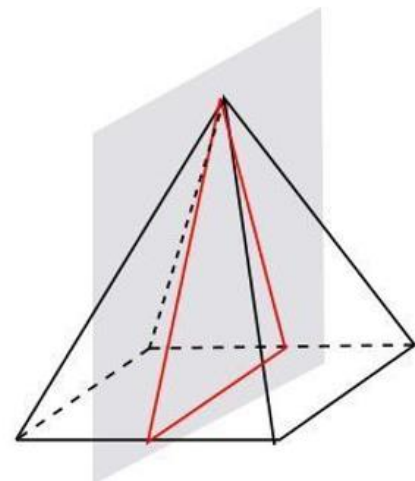
- a) A horizontal slice through a pyramid with a rectangular base resulting in a rectangle.
- b) A horizontal slice through a pyramid with a rectangular base resulting in a triangle.
- c) A vertical slice through a pyramid with a rectangular base resulting in a rectangle.



#### Question 02

Which **one** of the below describes the area slice shown?

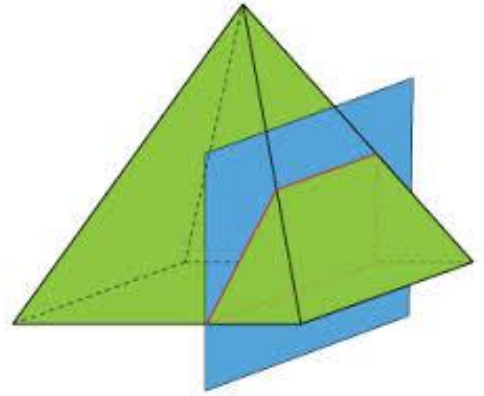
- a) A horizontal slice through a pyramid with a rectangular base resulting in a rectangle.
- b) A vertical slice through a pyramid with a rectangular base resulting in a triangle.
- c) A vertical slice through a pyramid with a rectangular base resulting in a trapezoid.



Question 03

Which **one** of the below describes the area slice shown?

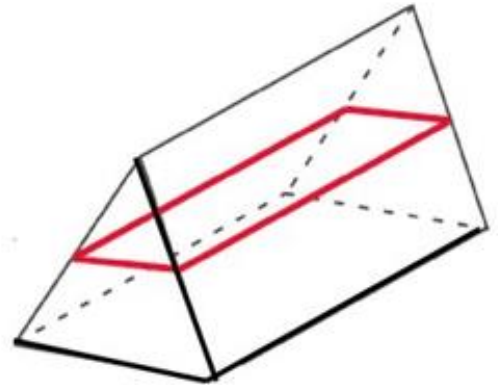
- a) A vertical slice through a pyramid with a rectangular base resulting in a rectangle.
- b) A vertical slice through a pyramid with a rectangular base resulting in a triangle.
- c) A vertical slice through a pyramid with a rectangular base resulting in a trapezoid.



Question 04

Which **one** of the below describes the area slice shown?

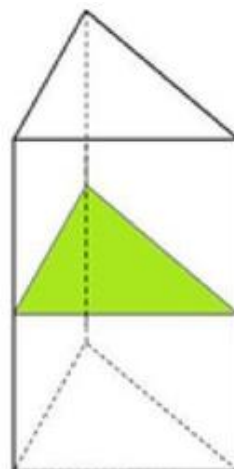
- a) A horizontal slice through a triangular prism resulting in a triangle.
- b) A vertical slice through a triangular prism resulting in a triangle.
- c) A horizontal slice through a triangular prism resulting in a rectangle.



Question 05

Which **one** of the below describes the area slice shown?

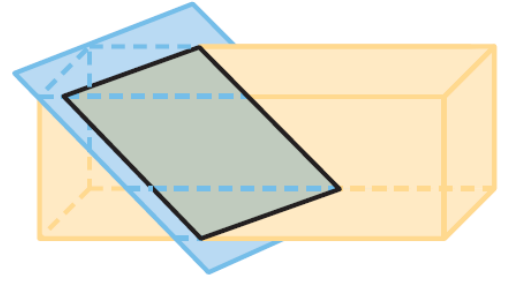
- a) A horizontal slice through a triangular prism resulting in a triangle.
- b) A vertical slice through a triangular prism resulting in a triangle.
- c) A horizontal slice through a triangular prism resulting in a rectangle.



Question 06

Which **one** of the below describes the area slice shown?

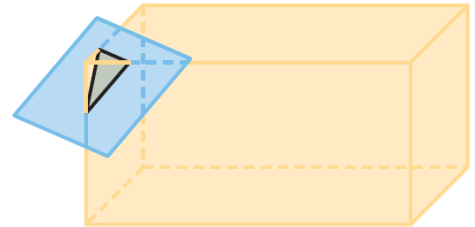
- a) A diagonal slice through the middle of a rectangular prism resulting in a rectangle.
- b) A diagonal slice through the middle of a rectangular prism resulting in a trapezoid.
- c) A diagonal slice through the middle of a rectangular prism resulting in a triangle.



Question 07

Which **one** of the below describes the area slice shown?

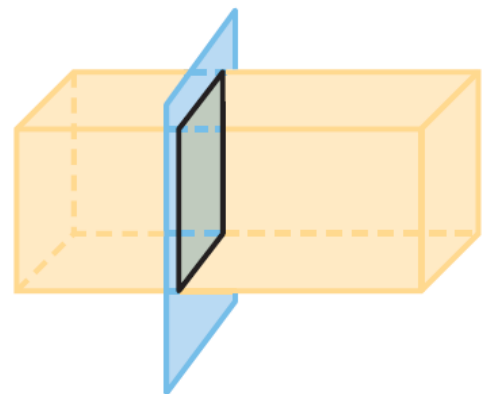
- a) A diagonal slice through the corner of a rectangular prism resulting in a rectangle.
- b) A diagonal slice through the corner of a rectangular prism resulting in a trapezoid.
- c) A diagonal slice through the corner of a rectangular prism resulting in a triangle.



Question 08

Which **one** of the below describes the area slice shown?

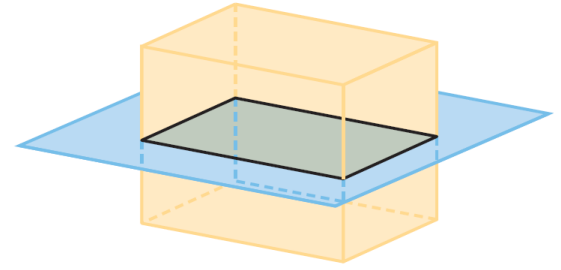
- a) A vertical slice through a rectangular prism resulting in a rectangle.
- b) A diagonal slice through a rectangular prism resulting in a rectangle.
- c) A horizontal slice through a rectangular prism resulting in a rectangle.



Question 09

Which **one** of the below describes the area slice shown?

- a) A vertical slice through a rectangular prism resulting in a rectangle.
- b) A diagonal slice through a rectangular prism resulting in a rectangle.
- c) A horizontal slice through a rectangular prism resulting in a rectangle.



Question 10

The figure shown is a pyramid with a square base. Select **all** of the following area slices that could be made with a horizontal slice.

- a) A horizontal slice through the middle of the figure could result in a triangle with a height of 3 cm.
- b) A horizontal slice through the middle of the figure could result in a trapezoid with a height of 1.5 cm.
- c) A horizontal slice through the middle of the figure could result in a square with side lengths of 1 cm.
- d) A horizontal slice through the bottom of the figure could result in a square with side lengths of 2 cm.
- e) A horizontal slice through the bottom of the figure could result in a line segment 2 cm long.
- f) A horizontal slice through the top of the figure could result in a line segment 3 cm long.
- g) A horizontal slice through the top of the figure could result in a single point.

