GMD.1 and GMD.3
Unit Review
Perimeter, Area, and Volume

May 8-11:21 AM

If the length is 3 times longer than the width in a rectangle with an area of 36 cm^2, what is the width?

$2\sqrt{3}$

May 8-11:34 AM

A regular n-gon has a side length of 6 cm.
The perimeter of the regular n-gon is:

6n

May 8-11:32 AM

The hypotenuse of a 60° right triangle is 16 cm, then the area of the triangle is:

$32\sqrt{3}$

May 8-11:44 AM

A rectangle has a perimeter of 18 cm

and a length of 7.2 cm.

What is the width of the rectangle?

1.8

May 8-11:28 AM

24 cm^2 is a valid measurement for the perimeter of a rectangle.

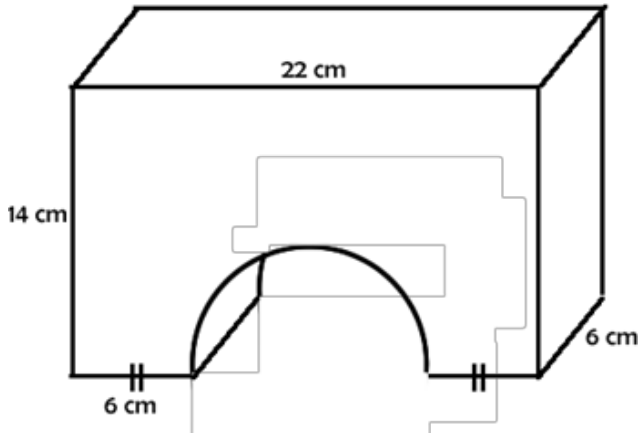
T or F

F

May 8-1:38 PM

7. Determine the volume of the following prisms.

(Lines that appear to be perpendicular are perpendicular and lines that appear to be parallel are.)



1848 - 75π

May 8-7:14 PM

The area of a circle with a diameter of 3 cm is 3π cm^2.

T or F

F

May 8-6:48 PM

The apothem of an equilateral triangle is:

A. the hypotenuse of a 30° right triangle

B. the long leg of a 30° right triangle

C. the hypotenuse of a 45° right triangle

D. the short leg of a 30° right triangle

D

May 8-11:45 AM

The area of a 220° sector of a circle with radius 6 cm is:

22π

May 8-1:37 PM

A parallelogram with a base and height of 20 cm and 5 cm has the same area as a square with a side of 10 cm.

T or F

T

May 8-2:12 PM

An isosceles triangle has a perimeter of 43 cm and a base length of 19.

What is the length of a leg?

12

May 8-11:28 AM

The area of a circle with a diameter of 3.5 cm is 3.0625π cm^2.

T or F

T

May 8-6:52 PM

The volume of a cylinder with a diameter of 6 cm and height of 12 cm is:

108π

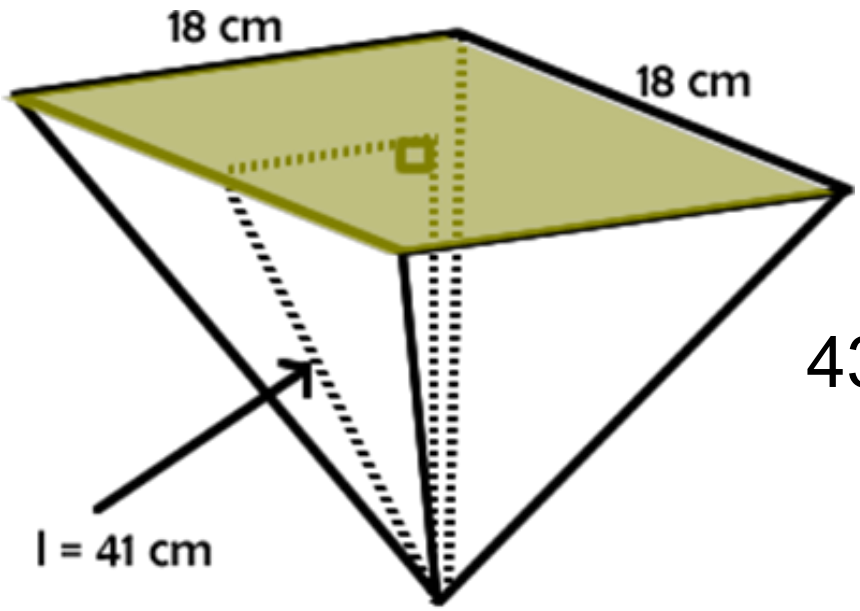
May 8-6:56 PM

The volume of a cone with a radius of 6 cm and a slant height of 10 cm is:

96π

May 8-7:09 PM

Determine the volume of the pyramid.



4320

May 8-8:20 PM

The base of the prism is always the face that the prism is sitting on.

T or F

F

May 8-7:11 PM

If the apothem of a regular hexagon is $2\sqrt{3}$ cm, then the area is:

$24\sqrt{3}$

May 8-1:35 PM

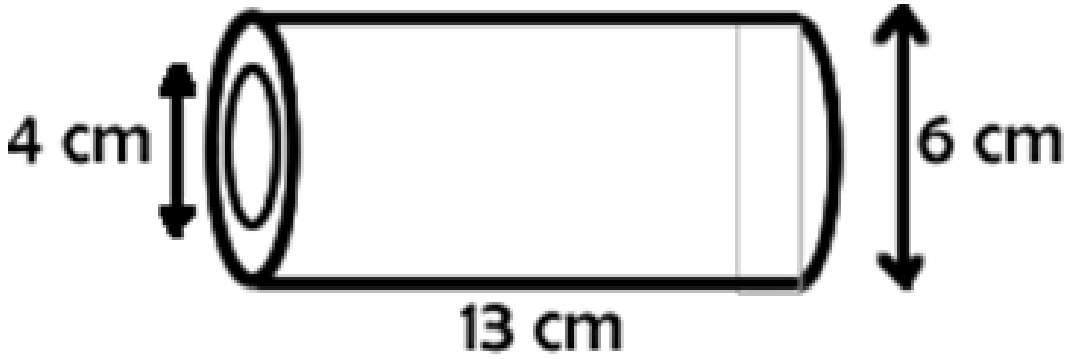
The area of an equilateral triangle with a radius of $4\sqrt{3}$ cm is $36\sqrt{3}$ cm^2.

T or F

T

May 8-6:09 PM

Determine the volume of the solid.



65π

May 8-8:20 PM

Which of the following is not equivalent to the trapezoid area formula?

A. $b_1h + ½ b_2h - ½ b_1h$ B. $½ b_1h + ½ b_2h$ C. $½ h(b_1 + b_2)$ D. $½ b_1h + ½ b_2h - b_2h$

D

May 13-10:35 AM

If the radius of a square is 8 cm, then the area is:

128

May 13-10:35 AM

Which description does not relate to the volume of a prism?

A. A square coaster and a stack of square coasters

B. A piece of paper and a ream of paper

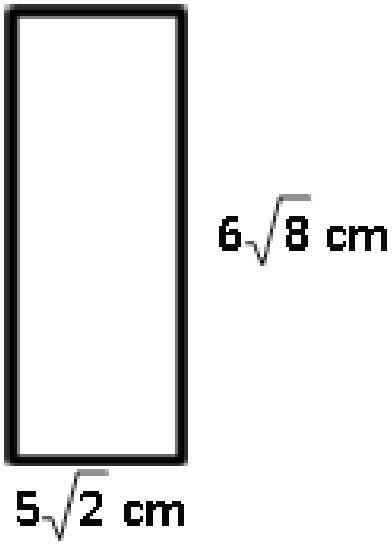
C. A DVD case and a stack of DVD cases

D. A round pancake and a stack of pancakes

D

May 13-10:36 AM

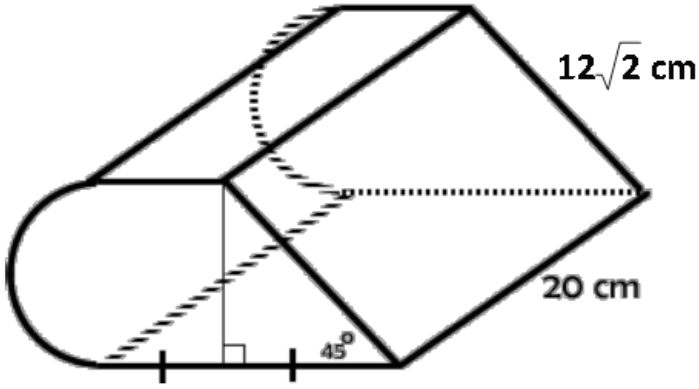
Determine the area of the following figures.
(Lines that appear to be perpendicular are perpendicular and lines that appear to be parallel are.)



120

May 13-10:36 AM

Determine the volume of the solid.



$4320 + 360\pi$

May 13-10:37 AM

May 13-10:38 AM