

Agenda

Homework:

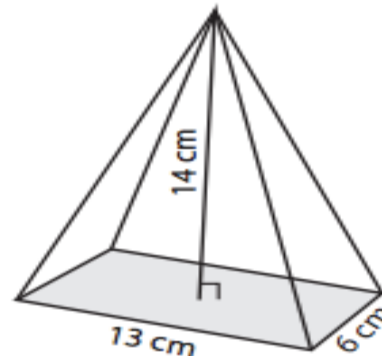
- GM pg. 409
#8-14, 16
- AM

Materials:

- Go Math book
- Calculator (if needed)

Do Now:

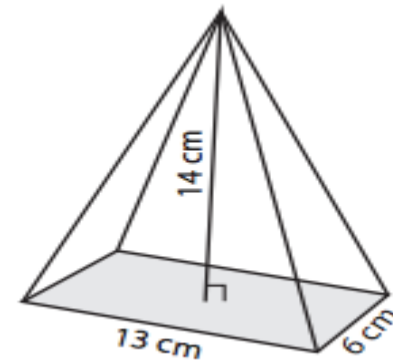
1. Take out homework
2. Find the area of a circle with the radius of 5 cm
3. Find the volume of



Do Now

1. Find the area of a circle with the radius of 5 cm

2. Find the volume of this pyramid



Homework Review

Volume of Cylinder Review

Each group has a different sized cylinder. As a group, find the volume of your cylinder.

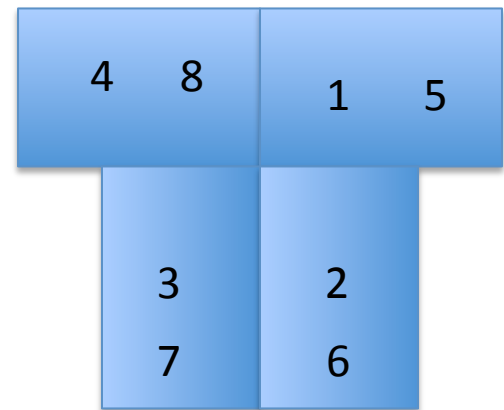
Volume of Cylinder Review

Each person must complete a different step! You will move clockwise...

1. To find the **area of the circle**, trace the bottom of your cylinder on the paper provided.
2. Cut out the circle
3. Fold the circle in half
4. Fold the circle into fourth
5. Measure the fold in cm (this is the radius)
6. Find the area of the circle
7. Measure the height of the cylinder
8. Find the volume of the cylinder

Volume of Cylinder Review

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6. Find the area of the circle
7. Measure the height of the cylinder
8. Find the volume of the cylinder

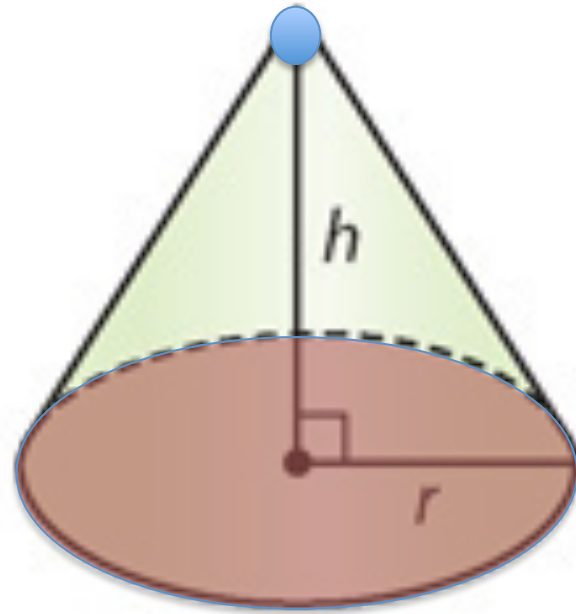




What is a cone?

Module 13.2
pg.405

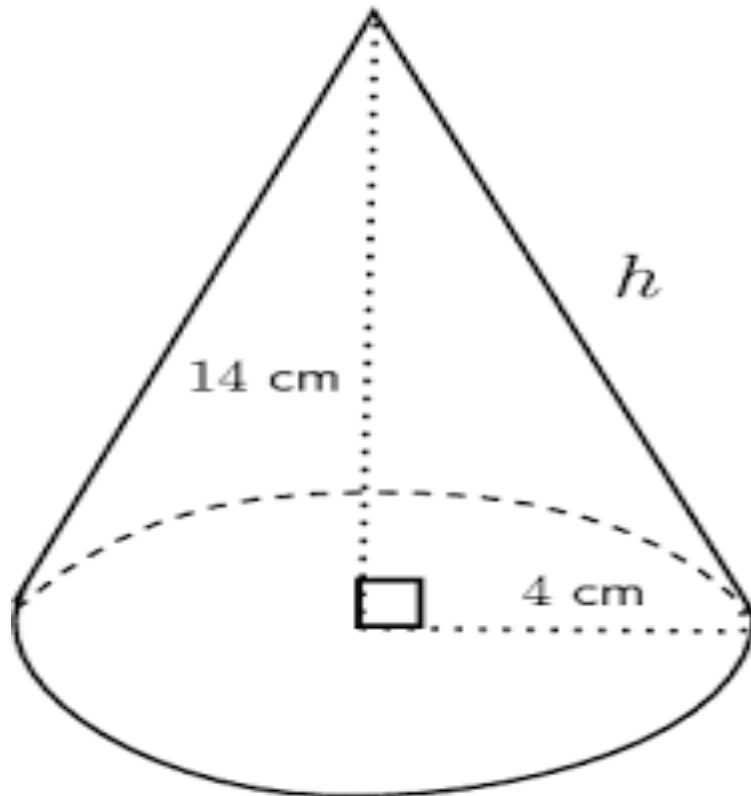
- A **polyhedron** (3D shape) that has a **circular** base and one **vertex** (point)



How do you find the volume of a cone?



- Volume = $\frac{1}{3} \pi r^2 * \text{height}$ units³



$$\left(\frac{1}{3}\right) 3.14 * 4^2 * 14 =$$

$$\left(\frac{1}{3}\right) 3.14 * 16 * 14$$

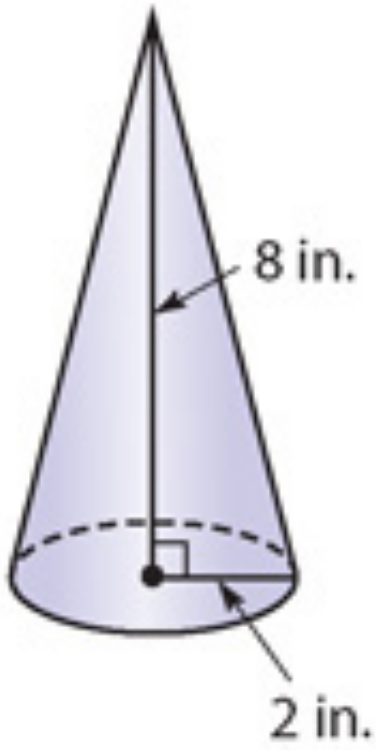
$$\left(\frac{1}{3}\right) 157.7536 =$$

$$52.6 \text{ cm}^3$$



Find the volume of the following pyramid

Volume: $\frac{1}{3} \pi r^2 * \text{height}$



Mini Quiz

- Find the volume
(Assume the units are
measures in feet):