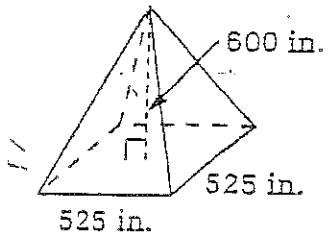
Integrated I

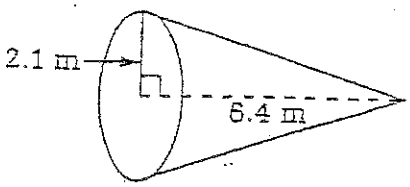
Volume of Pyramids

Find the volume of this rectangular pyramid.



Volume of a Pyramid = $\frac{1}{3}$ * Area of Base * Height

Find the volume of the cone below.



Volume of a Pyramid = $\frac{1}{3}$ * Area of Base * Height

Integrated 1

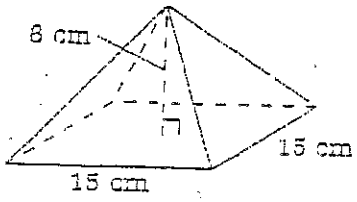
Name: _____

Volume – Pyramids

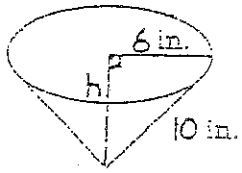
Pyramid Volume = _____

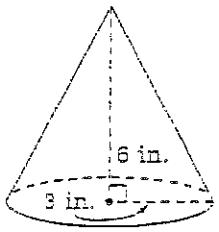
Square Pyramids or Cones

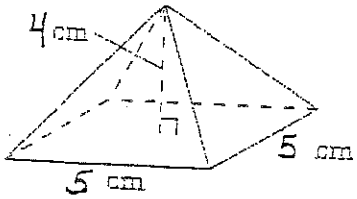
Find the volume of each space figure. Show your work.

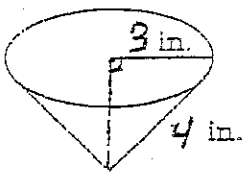
1. 

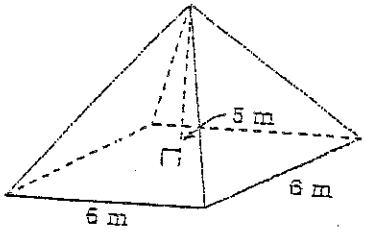
2. Find the dotted height.



3. 

4. 

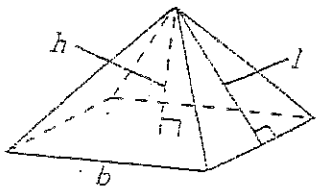
5. 

6. 

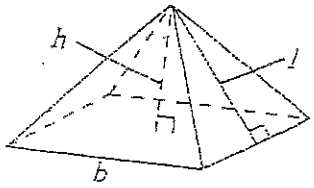
Use the regular square pyramid at the right.
Find the volume of the pyramid, using each set of measurements.

Volume of a Square Pyramid = _____

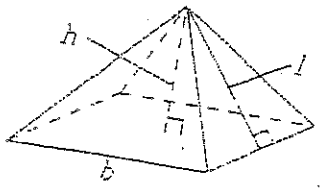
7. b = 12 m
l = 13 m



8. h = 11 cm
l = 61 cm



9. b = 42 inches
h = 28 inches



10. A soft-ice-cream store has two sizes of waffle cones. The small size has a radius of 1.5 inches and a height of 4 inches. The large size has a radius of 2 inches and a height of 6 inches. WOW! Suppose each cone were filled with ice cream and leveled off at the top. What is the difference in amount of ice cream between the large and small size?