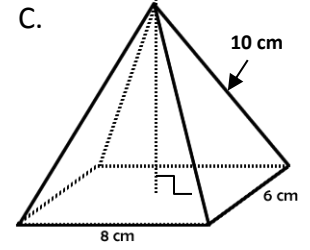
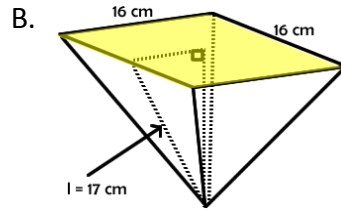
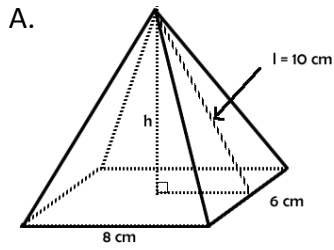
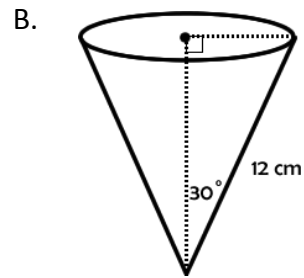
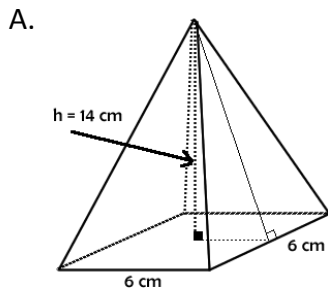


1. Determine the altitude height of the following right pyramids to the nearest hundredth:

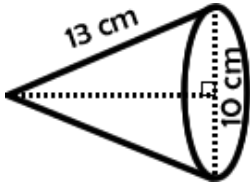


2. Find the volume of the following solids, to the nearest tenth of a cubic centimeter:

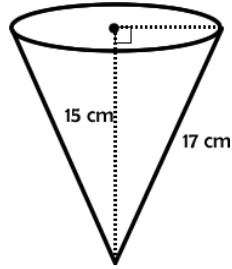


3. Determine the volume of the cone in terms of π .

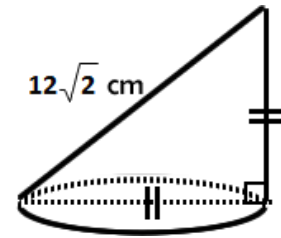
A.



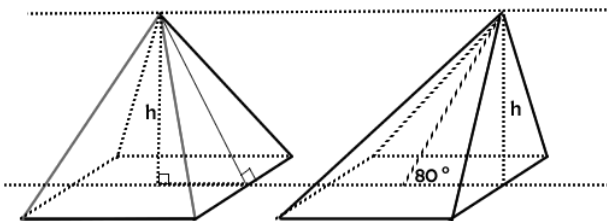
B.



C.



4. Two pyramids with the same base are side by side. One is a right pyramid and the other is an oblique pyramid. If the oblique pyramid has been tilted to an angle of 80° , what is volume relationship between the two pyramids? Explain your reasoning.



5. A Dixie cup is like a truncated cone with bases of 88 mm and 57 mm and a height of 134 mm.

A. Determine the height H of the full cone to the nearest tenth of a mm.

B. Explain how you arrived at your answer.

