## 11.6 Volume of Pyramids & Cones CYU

☐ Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

#Use when you could do it alone with a little help from teacher or peer

& Use when you completed the problem in a group

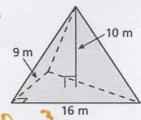
X Use when a question was attempted but wrong (get help)

NUse when a question was not even attempted

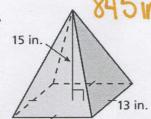
CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Volume of pyramids	1 - 3	4 - 6	
Volume of cones	15, 16		
Similar figures	7,8	17, 18	
Volume of composite figures		9 - 11	12 - 13
Real World Application			14

Find the volume of the pyramids. Show your set up and work to get full credit. Don't forget appropriate units.

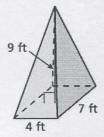
1.



2.



3.



84 ft 3

Find the indicated measure. Show your set up and work to get full credit. Think about the appropriate units. Sketch a diagram for each problem.

**4.** A pyramid with a square base has a volume of 320 cubic centimeters and a height of 15 centimeters. Find the side length of the square base.

Q=8cm

**5.** A pyramid with a rectangular base has a volume of 60 cubic feet and a height of 6 feet. The width of the rectangular base is 4 feet. Find the length of the rectangular base.

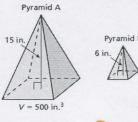
Q=7.5ft

**6.** A pyramid with a triangular base has a volume of 80 cubic meters and a base area of 20 square meters. Find the height of the pyramid.

h=12m

The pyramids are similar. Find the volume of Pyramid B.

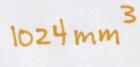
7.



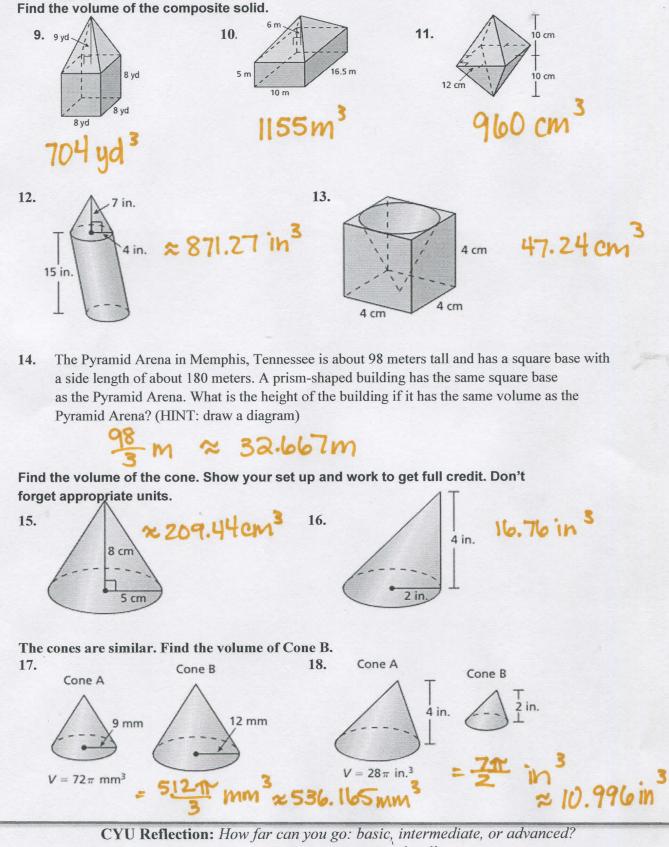
8



Pyramid B



32 in 3



## Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

