



Volume of Cones Notes

Name _____

	Cylinder	Cone	Ratio of Volumes Cone : Cylinder
			
1	Length of Radius: 6 cm Height of Cylinder: 10 cm Volume: _____	Length of Radius: 6 cm Height of Cone: 10 cm Volume: 376.8 cm ³	
2	Length of Radius: 9 in Height of Cylinder: 15 in Volume: _____	Length of Radius: 9 in Height of Cone: 15 in Volume: 1271.7 in ³	
3	Length of Radius: 18 ft Height of Cylinder: 7 ft Volume: _____	Length of Radius: 18 ft Height of Cone: 7 ft Volume: 2373.84 ft ³	

Looking at the ratios you wrote for the volume of the cone to the volume of the cylinder, what conclusions can you make?

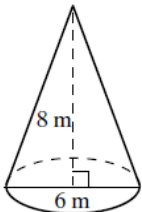
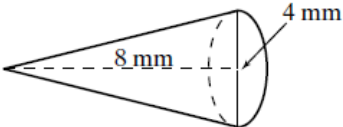
Volume of a Cylinder	Volume of a Cone

Using the formula, find the volume of the cones from above. Use 3.14 for π

1)	2)	3)



Pause the video and try the problems on your own! Round to the nearest tenth if necessary. Then press play and check your answers with a color pen.

1) 	2) 	3) 