Volume of Cylinders Intro Notes

Volume of Cylinders

Ex. 1) How much water will this vase hold?

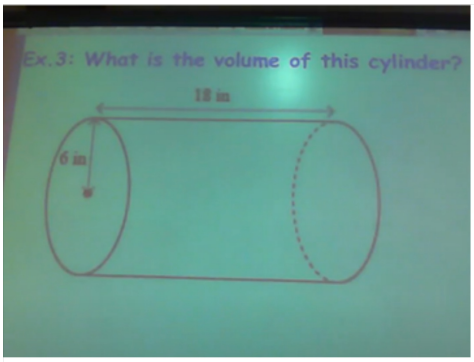
h=13 in

r = 3 in

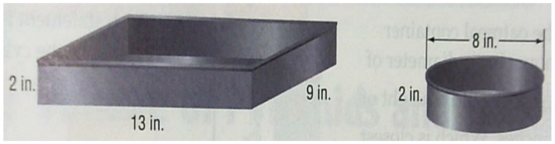
Ex 2: What is the volume of this big gulp cup?

11 in

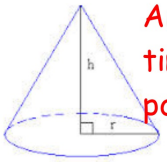
5 in



Ex. 4: Which will hold more cake batter, the rectangular pan or two round pans?



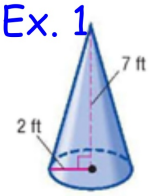
★ Volume of Cones! ★



Any guesses as to how many times a cone can be filled and poured into a cylinder?

Okay, then…what do you think the formula is?

Ex. 1



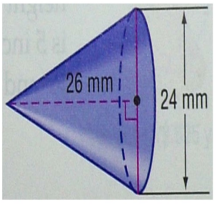
$V = \frac{1}{3}Bh$

$V = \frac{1}{3}(\pi r^2)h$

Ex. 2

$V = \frac{1}{3}Bh$

$V = \frac{1}{3}(\pi r^2)h$



Ex. 3: April is putting together a tepee in her backyard. It is 7.5 feet tall with a diameter of 10 feet. What is the tepee's volume?