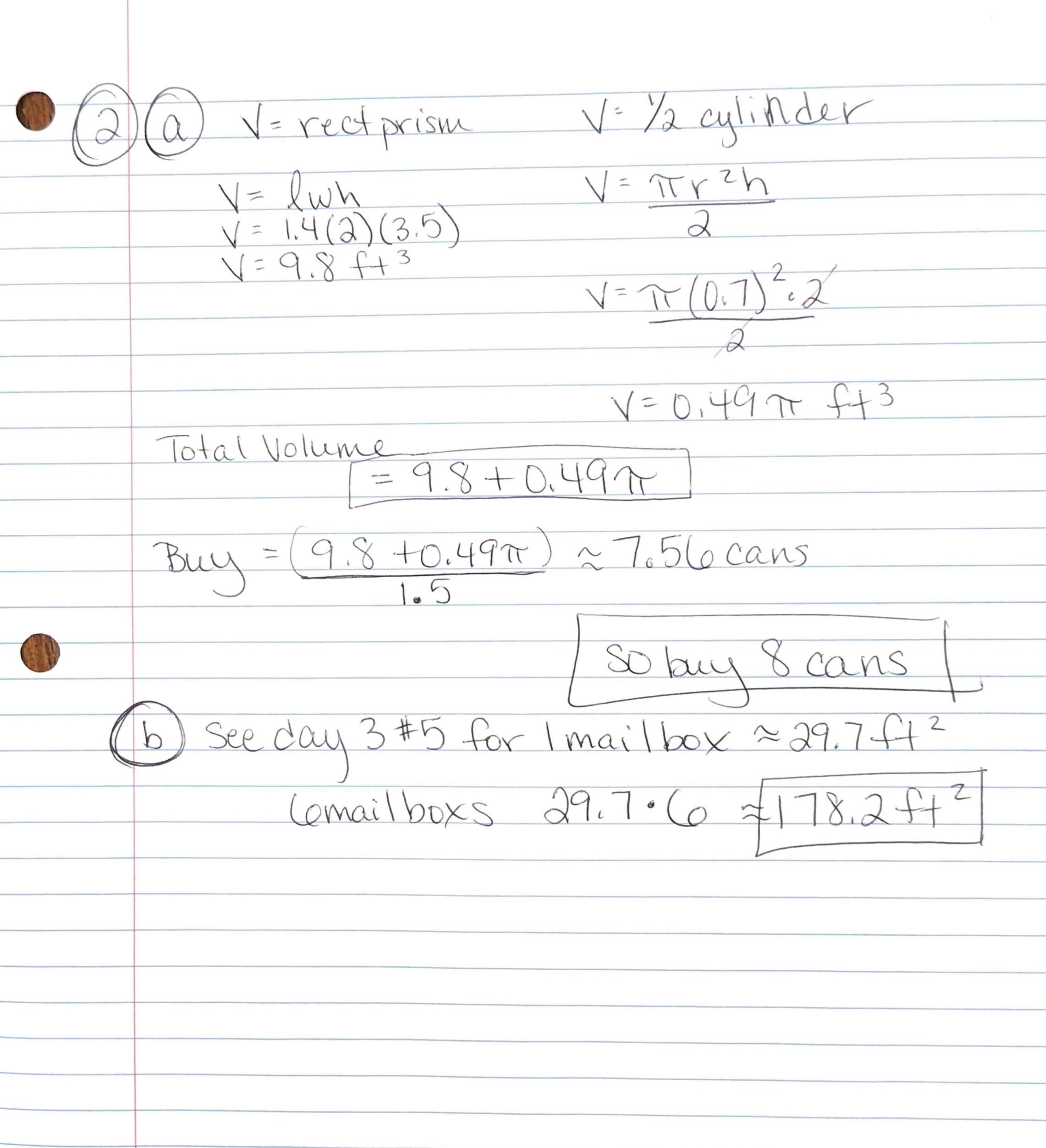
Hundred Hus

Name:	Date:	Hour:Alg 1
Unit 6 Day 8: Review		
Focus Question: What do I remember about shapes that use circles as one of their faces?		
Do work on your own paper.	See Mex4 pag	estor work yolum
1. A tennis ball canister is shown	below. The diameter of each tennis ball is	s 2.7 inehes.
	space in the canister is left over after the	e tennis balls are put in
The contain	= 4.9 2075 TTIN	
7)	215.46m3	
b. How much felt i	s used to make the tennis balls?	
.78	Surf. area = 21.87 268,	
	n April Fool's prank and spray insulation no one could put mail in the slot.	foam into the city's mail drop box
	a. If one can of spray foam expands to	fill 1.5 cubic feet, how many can's
	does George need to buy?	
3.5 ft	8 cans	
b. As a punishment, George had to repaint all the city's mail drop boxes.		saint all the city's mail drop boxes.
	The city has 6 of them. How much pai	inting did George have to do?
1,4 ft 2 ft	178.2ft <sup>2</sup>	
-15 a		
3. Tiffany bought a packa	ge of 8 party hats like those shown below	V.
	a. How much cardboard was used to make the package of hats?	
		1=24TTV58 in-
7 inches	b. The most CII. I. i)	12 7 14 22 IN
	b. The guests filled the cones with guilled If a single gumball has a radius of 1 in	mballs to take home as a party favor.  n, how many gumballs will each
Pp B thu	guest get?	
6 inches	15 au	mballs

Vay=1 cylinder Vsph= 3 spheres Vcy = Tr2h = TT (1.35) 2.801 = 47.84.5 min3 = 17.1.8225.8.1 = 14.76225 Trin left over 14.762257 Ssp = 3spheres Ssp = 4Tr 203

 $S_{sp} = 3spheres$   $S_{sp} = 4\pi r^{2} \cdot 3$   $= 12\pi (1.35)^{2}$   $= 12\pi (1.825)$   $= 21.87\pi in^{2}$ 

or ~68.71 in2



svatsivackage bottom or 2 574.22 0 = 158 Vco=Mr2h Vsp = HTTY = TT. 3. 7 = 2/17 in3 HowFitin the cone 21th = 4th 2103-63-15.75 S0 15 Fit