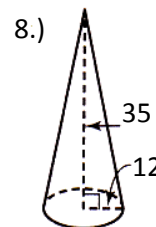
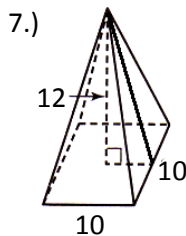
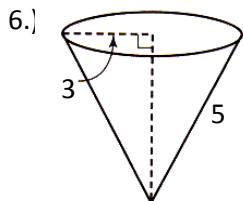
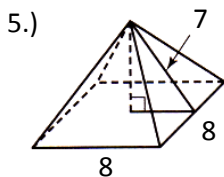
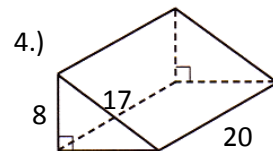
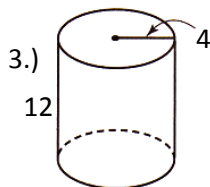
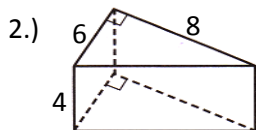
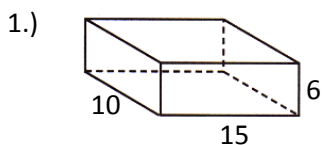


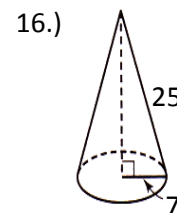
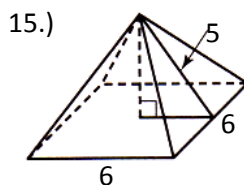
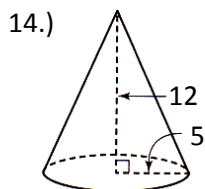
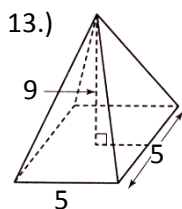
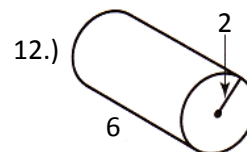
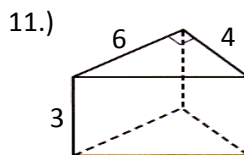
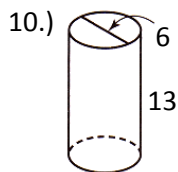
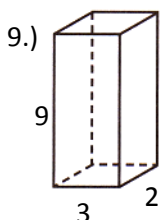
Chapter 11 Review **HONORS**

	Prism	Cylinder	Pyramid	Cone	Sphere
Surface Area	$SA = P_{\text{of base}} \cdot h + 2 \cdot B_{\text{area}}$	$SA = 2 \cdot \pi \cdot r \cdot h + 2 \cdot \pi \cdot r^2$	$SA = \frac{P_{\text{of base}} \cdot \ell_{\text{slant}}}{2} + B_{\text{area}}$	$SA = \pi \cdot r \cdot \ell + \pi \cdot r^2$	$SA = 4 \cdot \pi \cdot r^2$
Volume	$V = B_{\text{area}} \cdot h$	$V = \pi \cdot r^2 \cdot h$	$V = \frac{B_{\text{area}} \cdot h}{3}$	$V = \frac{\pi \cdot r^2 \cdot h}{3}$	$V = \frac{4 \cdot \pi \cdot r^3}{3}$

Find the **SURFACE AREA (SA)**.



Find the **volume** of each figure.



Solve each story problem:

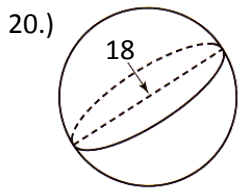
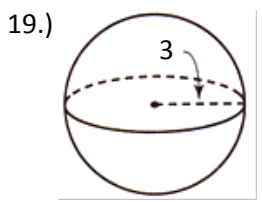
17.) Gino's East of Chicago makes a mean Chicago-style pizza. If a medium pizza is 14" in diameter and 1.5" thick, what is this pizza's Volume?



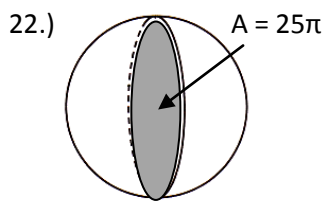
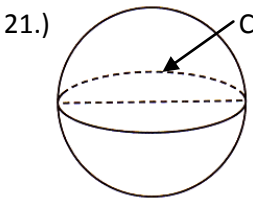
18.) A birthday present is gift wrapped, as pictured. Given its dimensions, what is the surface area of the wrapping paper?



Find the surface area and volume of each sphere.



Find the volume of each sphere.



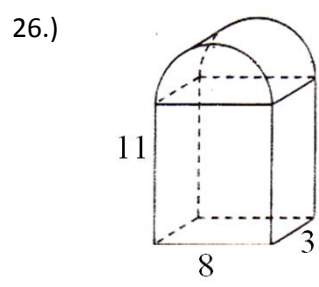
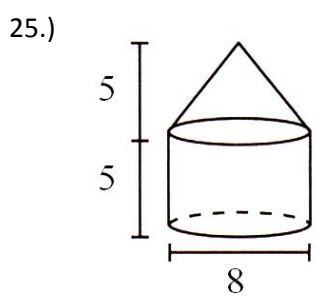
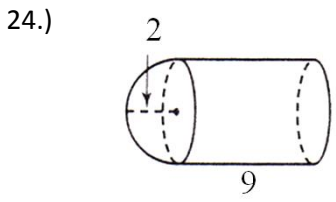
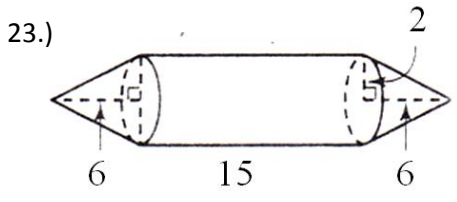
SA = _____ V = _____

SA = _____ V = _____

V = _____

V = _____

Find the volume of each composite shape. THINK!



Key: 1.) 600	2.) 144	3.) 128π	4.) 920	5.) 176	6.) 24π	7.) 360	8.) 588π
9.) 54	10.) 117π	11.) 36	12.) 24π	13.) 75	14.) 100π	15.) 48	16.) 392π
17.) 73.5π or 230.9in^2	18.) 208in^2	19.) $36\pi; 36\pi$	20.) $324\pi; 972\pi$	21.) 85.3π	22.) 166.6π	23.) 76π	24.) 41.3π
25.) 106.7π	26.) 339.4						