Geometry 1.7 *8th grade standard

Identify and name 3-D figures

Find surface area and volume*

surface area

volume

formulas

whiteboards

Quiz Wed. 1.5-1.6 Quiz Thurs. 1.7

Test Fri. Ch. 1

p.69

Prism & Cylinder:

SA = $2B + per.m.h$
V = $B \cdot h$

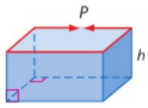
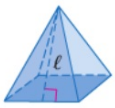
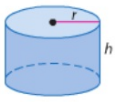
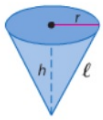
Pyramid & Cone:
SA = $B + \frac{1}{2}p \cdot l$
V = $\frac{1}{3} B \cdot h$

Sphere:
SA =
V =

$l \rightarrow$ lateral

$SA = 4\pi r^2$
$V = \frac{4}{3}\pi r^3$

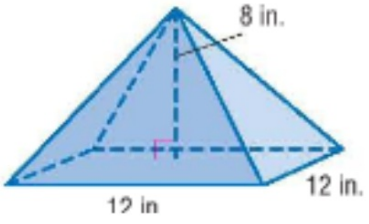
KeyConcept Surface Area and Volume

Prism	Regular Pyramid	Cylinder	Cone	Sphere
				

How many formulas do you want to memorize?

whiteboards

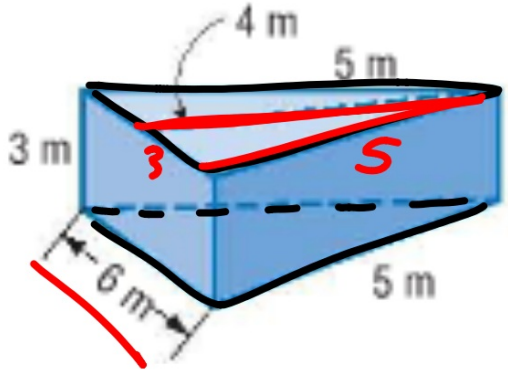
39.



$SA =$ in^2

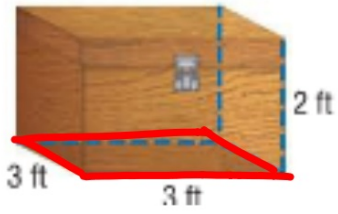
$V =$ in^3

41.



hmm

42. BUILDING Chris is building a trunk like the one shown below. His design is a square prism. What is the volume of the trunk?



One picture is worth 1000 words...

43. HOCKEY A regulation hockey puck is a cylinder made of vulcanized rubber 1 inch thick and 3 inches in diameter. Find the surface area and volume of a hockey puck.