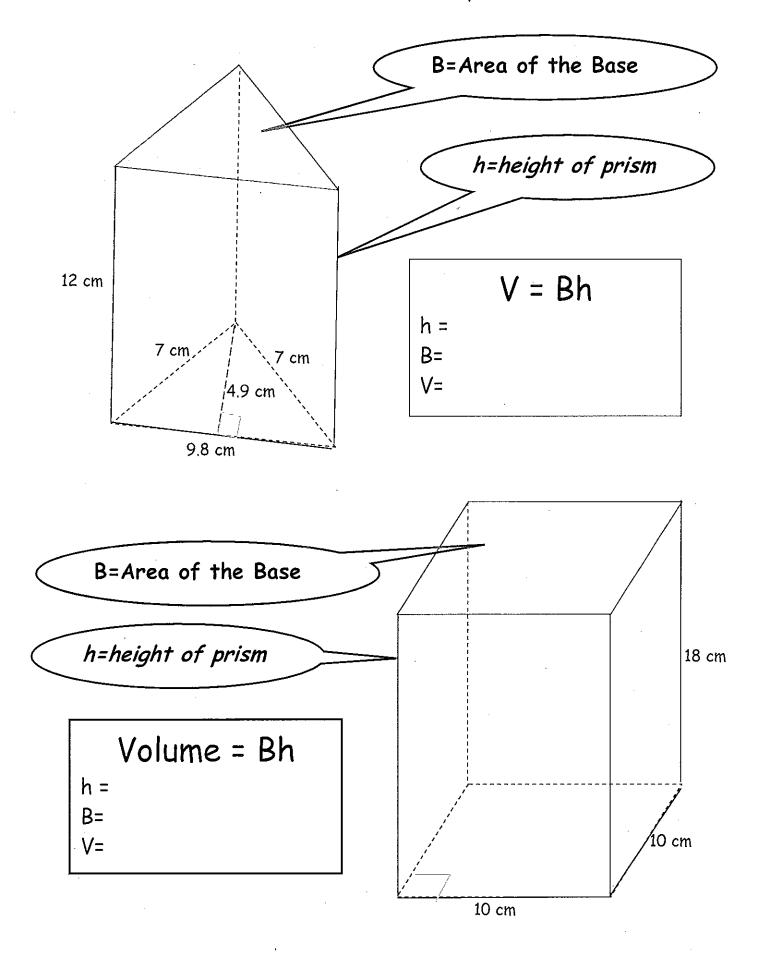
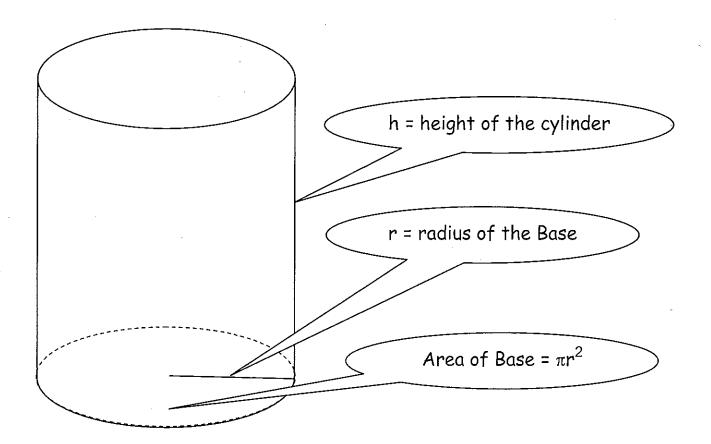
Volume of a Prism and a Cylinder





The volume is similar to the prism.

Since B = πr^2 , the cylinder formula becomes $V = \pi r^2 h$

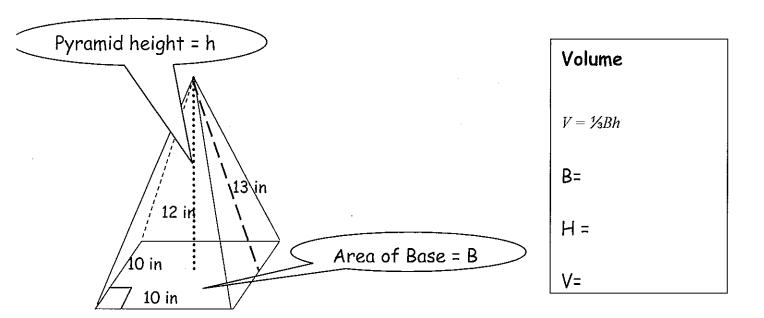
$$V = \pi r^2 h$$

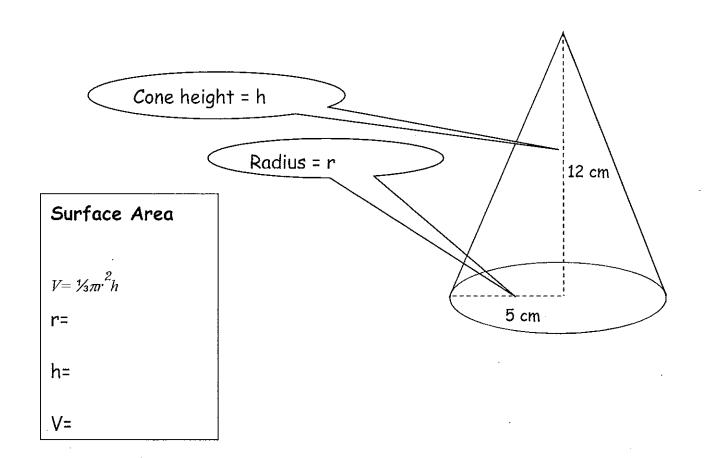
r=

h=

V=

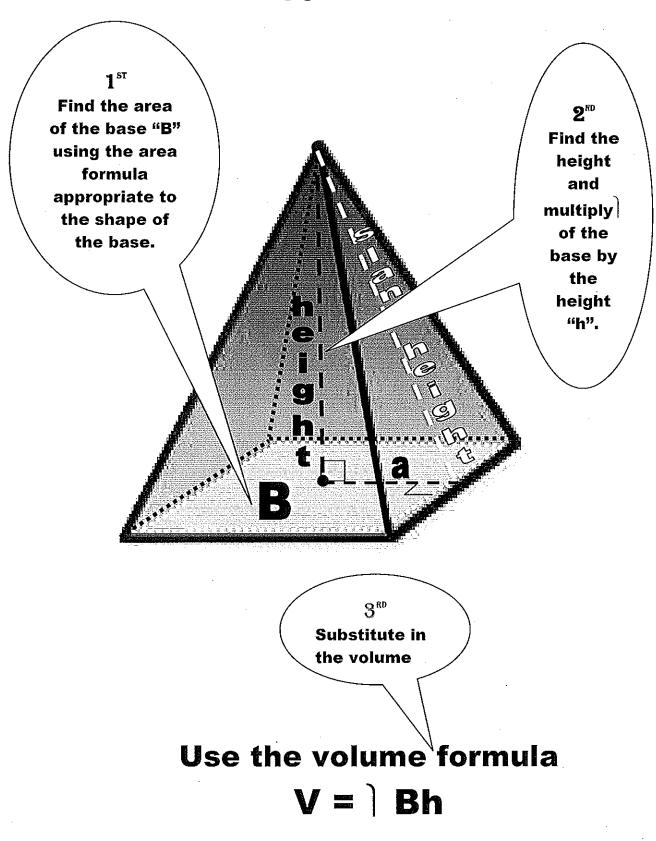
Volume of a Pyramid and a Cone Pyramids and Cones



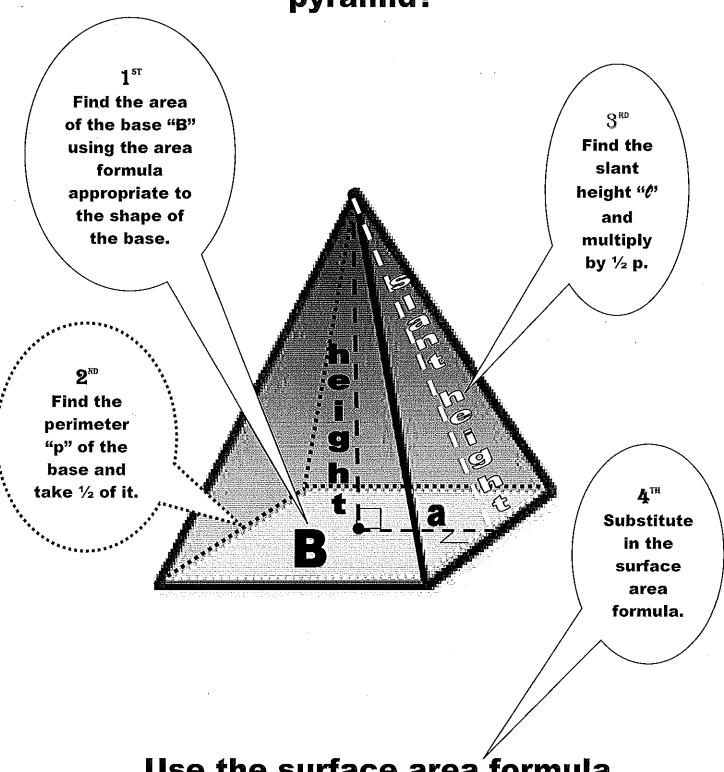


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How do you find the volume of a pyramid?

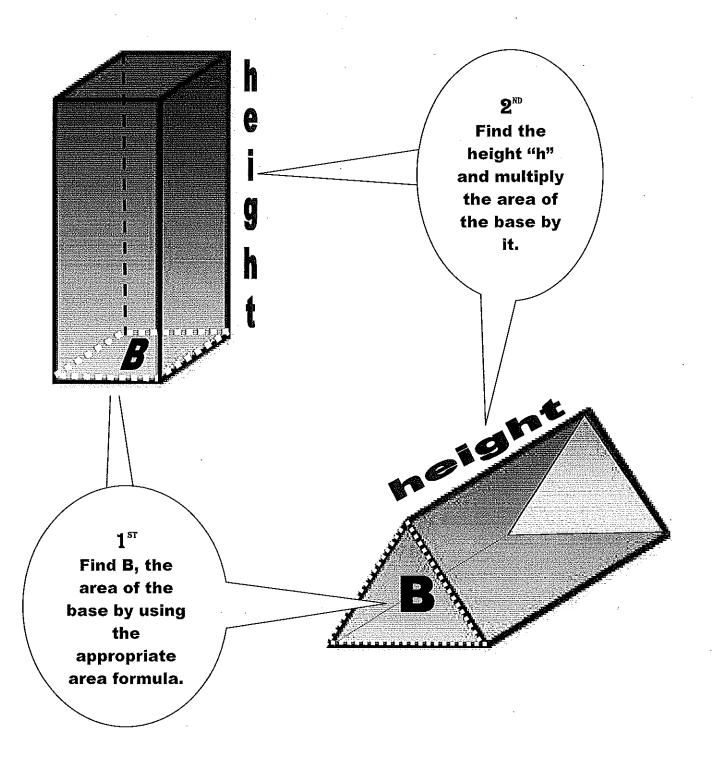


How do you find the surface area of a pyramid?



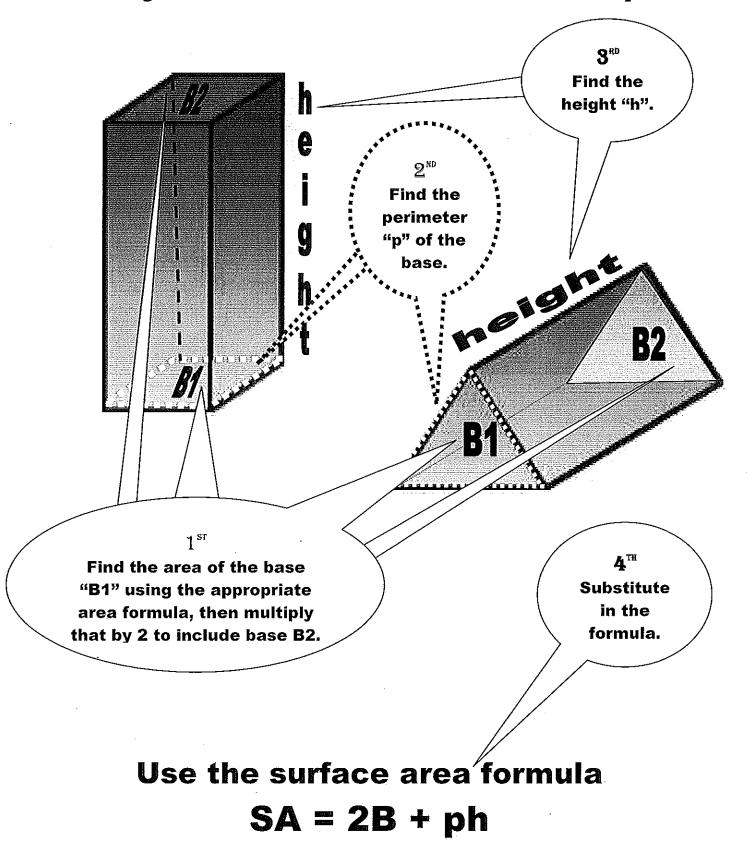
Use the surface area formula $SA = B + \frac{1}{2} p\ell$

How do you find the volume of prism?

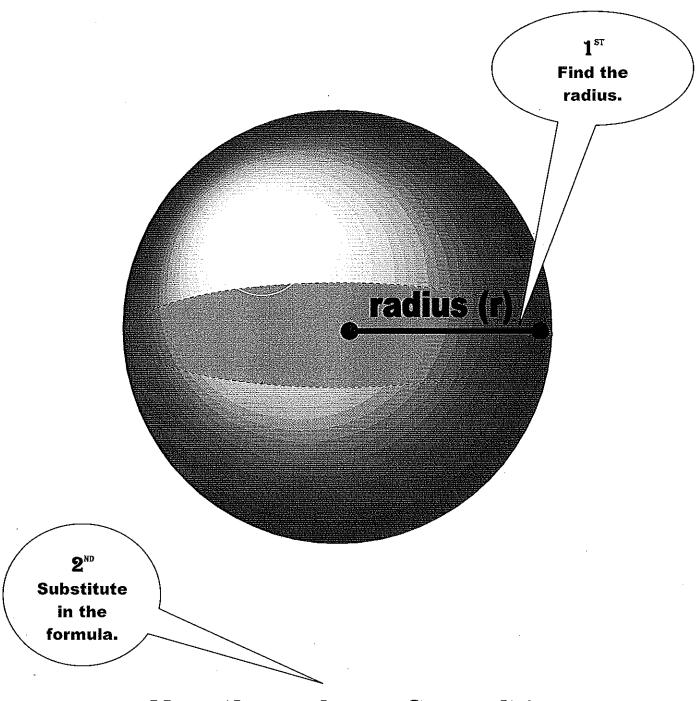


Use the volume formula V=Bh

How do you find the surface area of a prism?

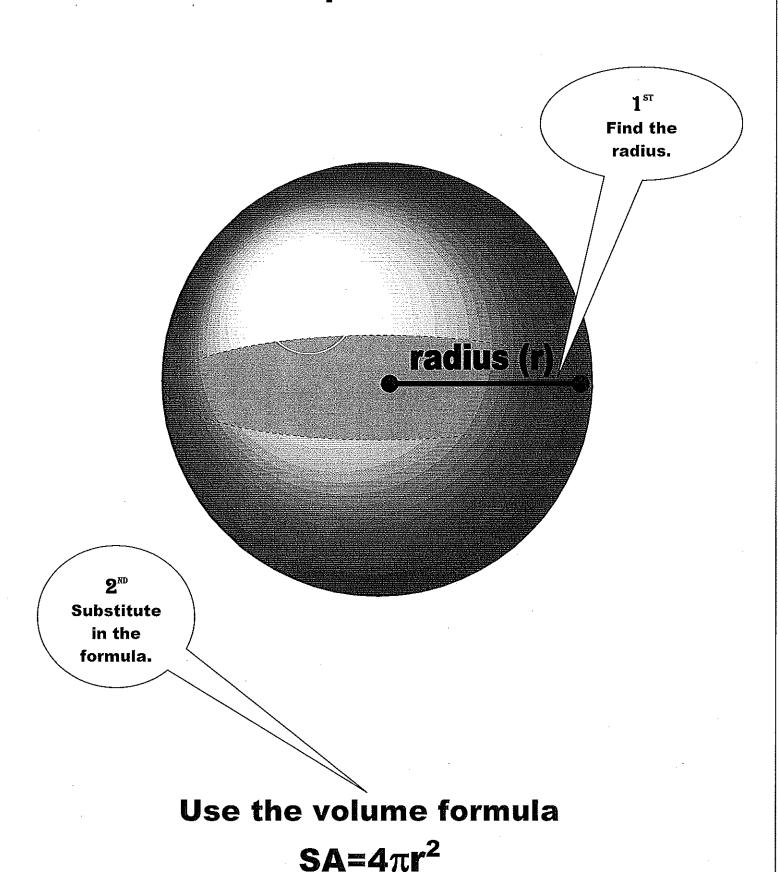


How do you find the volume of a sphere?

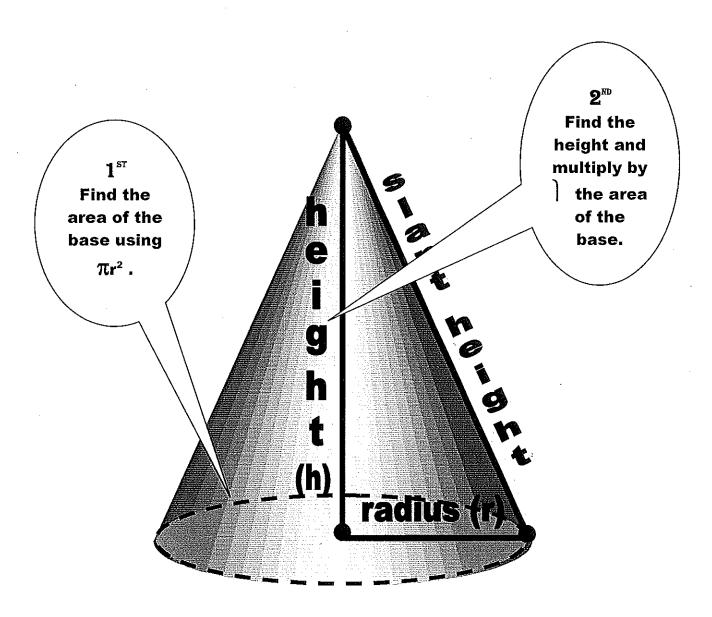


Use the volume formula $V = \frac{4}{3}\pi r^3$

How do you find the surface area of a sphere?

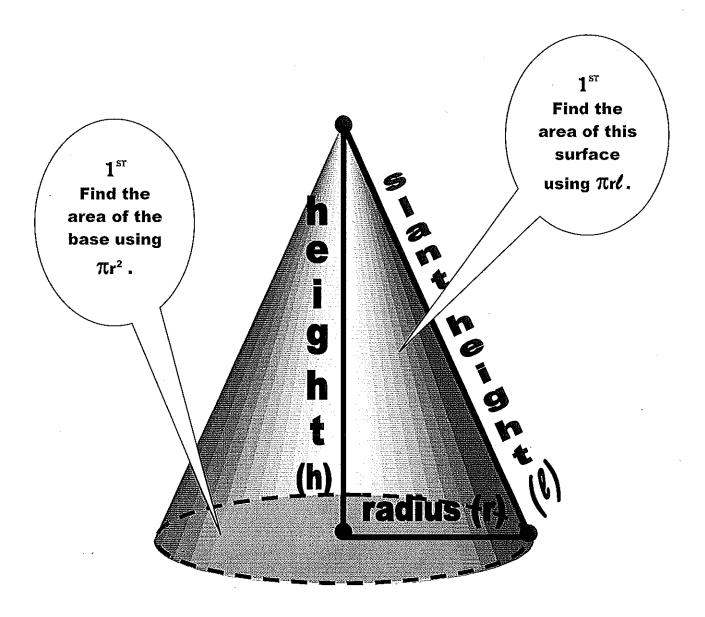


How do you find volume of a cone?



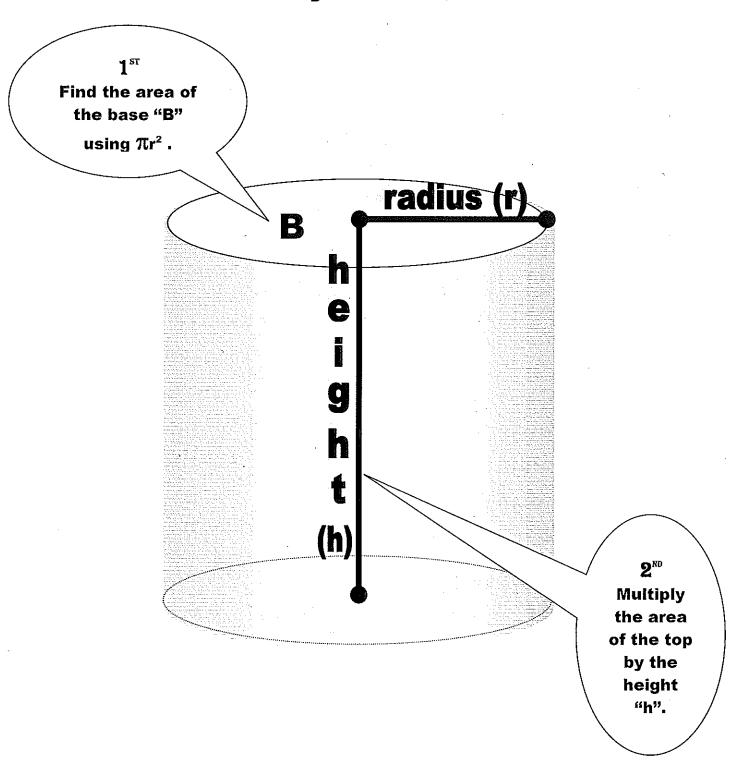
Use the volume formula $V = \pi r^2 h$

How do you find surface area of a cone?



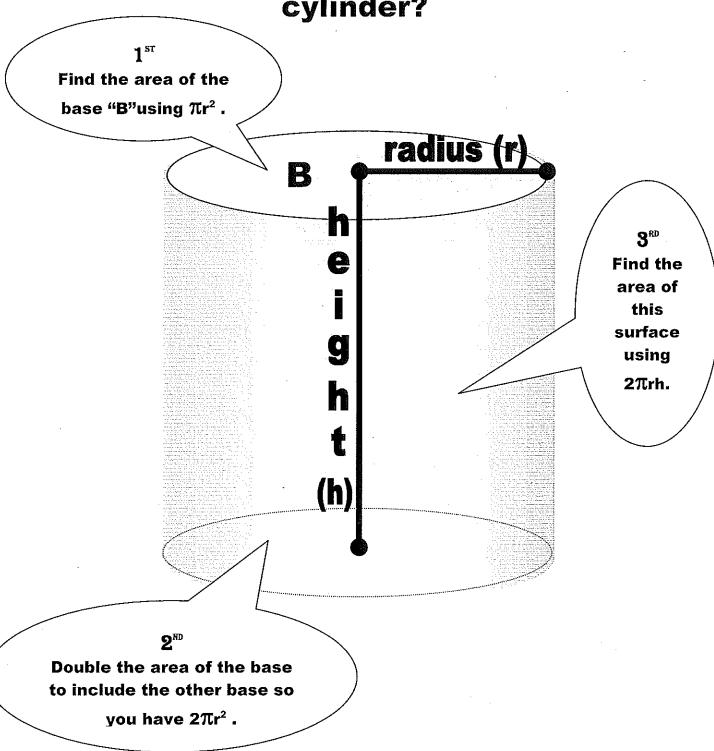
Finally, use the surface area formula $SA = \pi r^2 + \pi r\ell$

How do you find the volume of a cylinder?



Use the volume formula $V=\pi r^2 h$

How do you find the surface area (SA) of a cylinder?



Finally, use the surface area formula $SA = 2\pi r^2 + 2\pi rh$