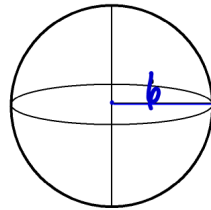


## 7.6 Spheres

Volume .

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

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



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

$$V = \frac{4}{3} \pi (b)^3$$

$$V = \frac{4}{3} \pi (216)$$

$6^3$

$$V = 904.78 \text{ units}^3$$

$$V = 288\pi \text{ units}^3$$

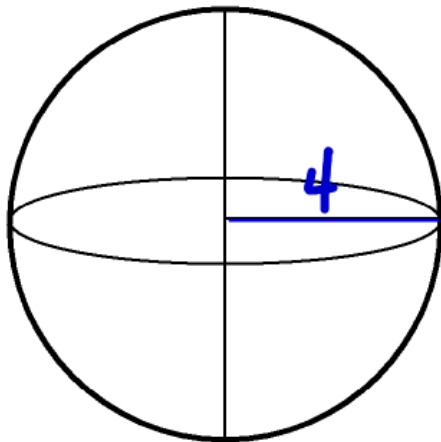
# Surface Area

$$SA = 4\pi r^2$$

$$SA = 4\pi (4)^2$$

$$SA = 64\pi \text{ units}^2$$

$$SA = 201.06 \text{ units}^2$$



Geometry Formulas	Name
Volume of a Rectangular Prism	$V = lwh$
Surface Area of a Rectangular Prism	$SA = 2lw + 2lh + 2wh$
Surface Area of a Cube	$SA = 6s^2$
Surface Area of a Right Prism	$SA = L + 2B$ $SA = hp + 2B$
Volume of a Cube	$V = s^3$
Volume of a Right Prism	$V = Bh$
Surface Area of a Regular Pyramid	$SA = \frac{1}{2}lp + B$
Volume of a Pyramid	$V = \frac{1}{3}Bh$
Surface Area of a Right Cylinder	$SA = 2\pi rh + 2\pi r^2$
Volume of a Cylinder	$V = \pi r^2 h$
Surface area of a Right Cone	$SA = \pi r l + \pi r^2$
Volume of a Cone	$V = \frac{1}{3}\pi r^2 h$
Surface Area of a Sphere	$SA = 4\pi r^2$
Volume of a Sphere	$V = \frac{4}{3}\pi r^3$
Area of a Rectangle	$A = lw$ $A = bh$
Area of a Square	$A = s^2$

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Thurs/Fri  
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Tues  
QUIZ  
formulas  
Review

Wed  
Test ch7