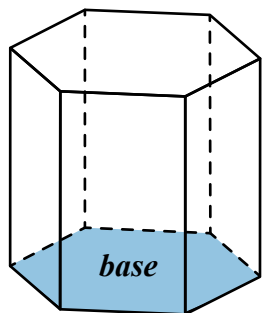


$$\text{Surface Area} = 2B + Ph$$

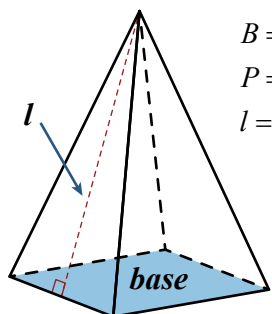


B = area of the base

P = perimeter of the base

h = height of prism

$$\text{Surface Area} = B + \frac{1}{2}Pl$$

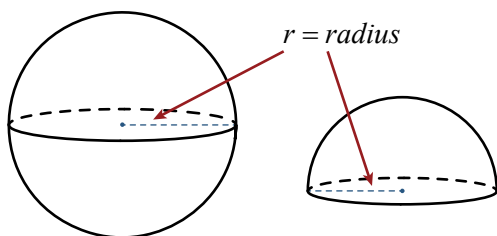


B = area of the base

P = perimeter of the base

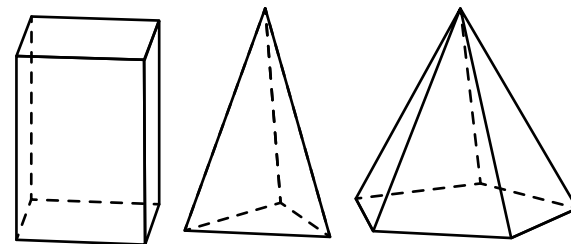
l = slant height

$$\text{Sphere: Surface Area} = 4\pi r^2$$

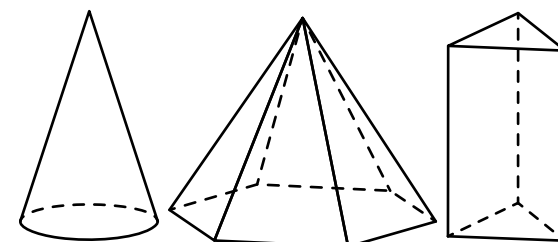


$$\text{Hemisphere: Surface Area} = 3\pi r^2$$

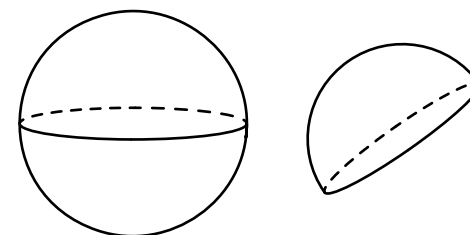
SURFACE AREA OF PRISMS



SURFACE AREA OF REGULAR PYRAMIDS



SURFACE AREA OF OTHER SOLIDS

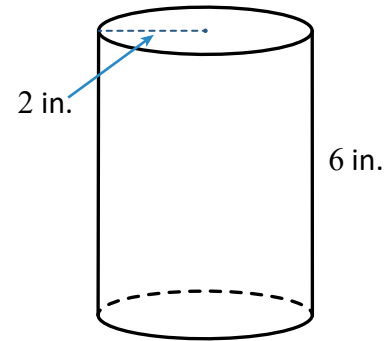


glue here

The surface area, S , of a **prism** is two times B , the area of the _____, plus the area of the _____.

The area of the lateral faces is P , the _____ of the base, times the _____ of the prism, h .

Example:

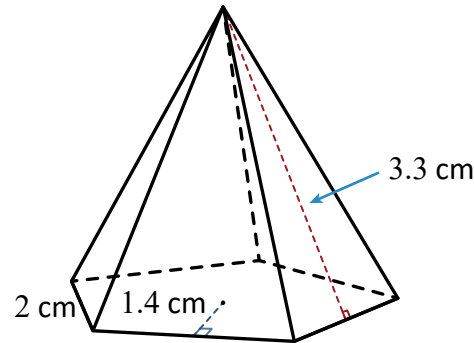


$$S = 2B + Ph$$

The surface area, S , of a **pyramid** is B , the area of the _____, plus the area of the _____.

The area of the lateral faces is one-half times P , the _____ of the base, times the _____ of the pyramid, l .

Example:

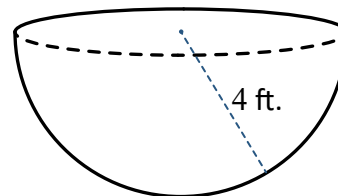


$$S = B + \frac{1}{2}Pl$$

The surface area, S , of a **sphere** is the _____ squared, r^2 , times 4π .

The surface area, S , of a **hemisphere** is the _____ squared, r^2 , times 3π .

Example:



$$S = 3\pi r^2$$