

# A Circle, Pi and Basic Formulas

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$\pi = 3.14$  Pi ( $\pi$ ) is used to represent the ratio of the circumference of a circle to the diameter.

Circumference of a circle

$$C = \pi \cdot d$$

"C" is the circumference

"d" is the diameter

Diameter of a circle

$$d = 2 \cdot r$$

"d" is the diameter

"r" is the radius

Area of a circle

$$A = \pi \cdot r^2 \text{ or } A = \pi \cdot r \cdot r$$

"A" is the area

"r" is the radius

Volume of a sphere with radius

$$V = 4/3 \cdot \pi \cdot r^3$$

"V" is the volume

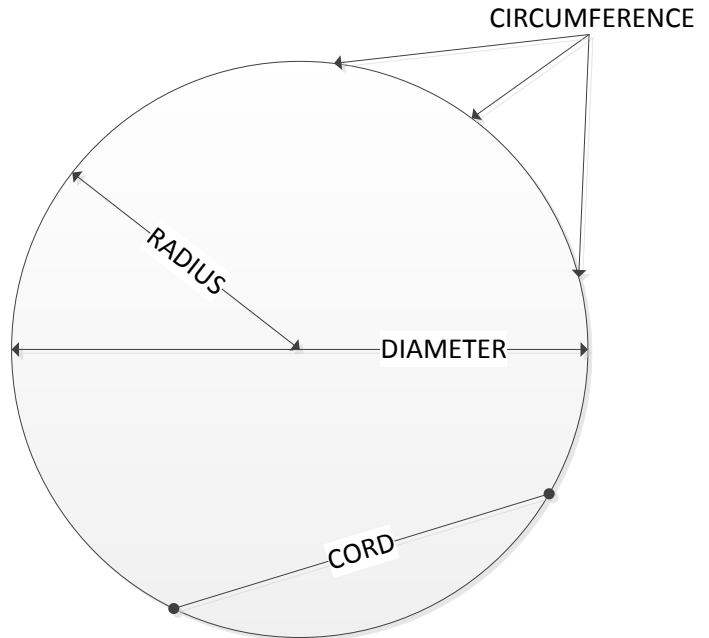
"r" is the radius

Surface area of a sphere with radius

$$S = 4 \cdot \pi \cdot r^2$$

"S" is the surface

"r" is the radius



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