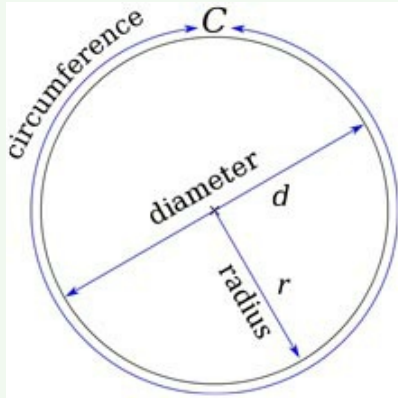
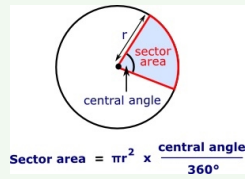


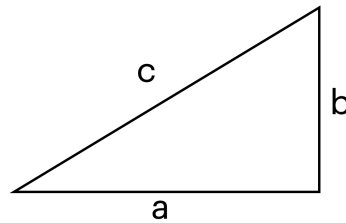
Definition of a Circle



Segment Area

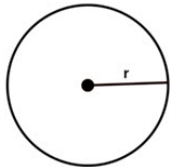


Pythagorean Theorem



$$c^2 = a^2 + b^2$$

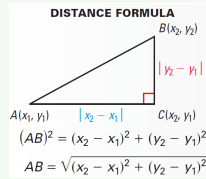
Area and Circumference Formulae



$$\text{Area} = \pi r^2$$

$$\text{Circumference} = 2\pi r$$

Distance Formula

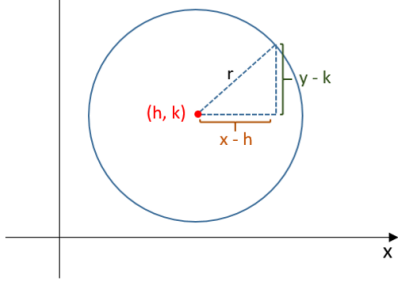


Equation of Circle

Equation of a Circle

with center (h,k) and radius r.

$$(x - h)^2 + (y - k)^2 = r^2$$



Right Triangle



SOH - CAH - TOA

Sine opposite/hypotenuse

Cosine adjacent/hypotenuse

Tangent opposite/adjacent

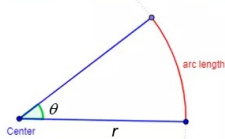
SOH - CAH - TOA

Sine opposite/hypotenuse

Cosine adjacent/hypotenuse

Arc Length

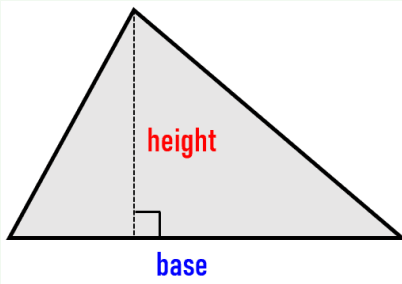
Arc Length of a Circle



If θ is measured in degrees then

$$\text{arc length} = \frac{\theta}{360^\circ} \times 2\pi r$$

Triangle Area



$$A = \frac{1}{2}bh$$

C

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