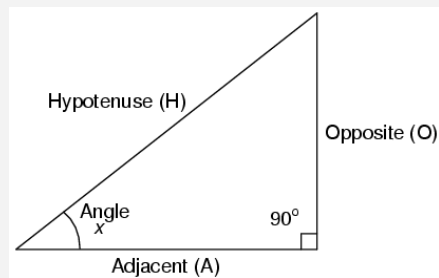


CONVERSION FACTORS

UNIT	CONVERSION
1 Foot (ft)	0.3048 Meters (m)
1 Meter (m)	3.281 Feet (ft)
1 Cubic Yard (Cy) (yd ³)	27 Cubic Feet (cf) (ft ³)
1 Cubic Feet (cf) (ft ³)	7.481 Gallons (gal)
1 Kip (K)	1 Pound-Feet (Lb•Ft)
1 Kip (K)	4448 Newtons (N)
1000 Newtons (N)	1 Kilonewton (kN)
1 Ton	1000 Kilograms (kg)
1 Ton	2000 Pounds (lb)
1 Inch (in)	2.54 Centimeters (cm)
1 Centimeter (cm)	10 Millimeters (mm)
1 Pound-Inch ² (psi)	6895 Pascals (Pa)
1000 Pound-Inch ² (psi)	1 Kilopounds-Inch ² (ksi)

TRIGONOMETRY



$\sin X = O/H$	$\csc X = H/O$
$\cos X = A/H$	$\sec X = H/A$
$\tan X = O/A$	$\cot X = A/O$

TRIGONOMETRIC LAWS

LAW OF SINES	LAW OF COSINES
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