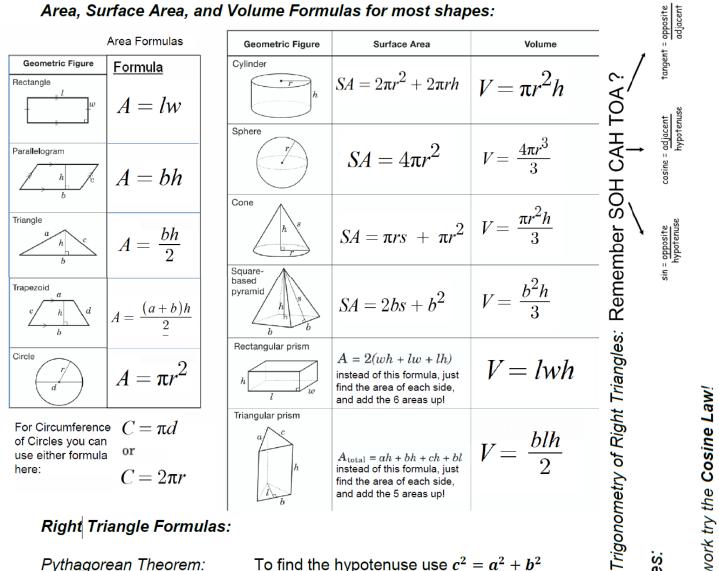
Area, Surface Area, and Volume Formulas for most shapes:



Right Triangle Formulas:

Pythagorean Theorem:

To find the hypotenuse use $c^2 = a^2 + b^2$ to find a "leg" use $a^2 = c^2 - b^2$

Conversion Chart!

Length	Imperial/Metric Lengths
1 foot = 12 inches	1 inch = 2.54 cm
1 yd = 3 feet	1 mile = 1.609 km
1 miles = 1 760 yards	1 yard = 0.9144 meters
1 yard = 36 inches	1 foot = 0.3048 meters
1 mile = 63 360 inches	1 foot = 30.48 cm
1 mile = 5 280 feet	
Mass/Weight	Imperial/Metric Mass/Weight
1 pound = 16 ounces	1 kg = 2.2046 pounds
1 ton = 2000 pounds	1 kg = 35.273 ounces (oz)
	1000g=35.273 ounces (oz)
Capacity/Volume	Imperial/Metric Capacity/Volume
1 gallon = 4 quarts	1 pint = 0.473 L
2 pints = 1 quart	1 gallon = 3.785 L
	1 quart = 0.9463 L
	1 gallon = 128 fluid ounces (fl. oz)
	1L = 4 Cups

A handy Decimal Jumper Chart for Metric Conversions!

$$km/hm/dam/m/dm/cm/mm \rightarrow distance$$

 $km/hm/dam/m/dm/cm/mm \rightarrow distance$
 $r_{c}a + r_{b}a$
 $km/hm/dam/m/dam/m/cm/mm \rightarrow rolume$
 $r_{c}a + r_{c}a$
 $r_{c}a + r_{c}a$
 $r_{c}a + r_{c}a + r_{c}a$

2abCos and if that doesn't work try the Cosine Law! L **^** + a2 П Cosine Law for finding a side: SinB 9 II SinA ۵ First try the Sine Law

2ab

COSC

Cosine Law for finding an angle: