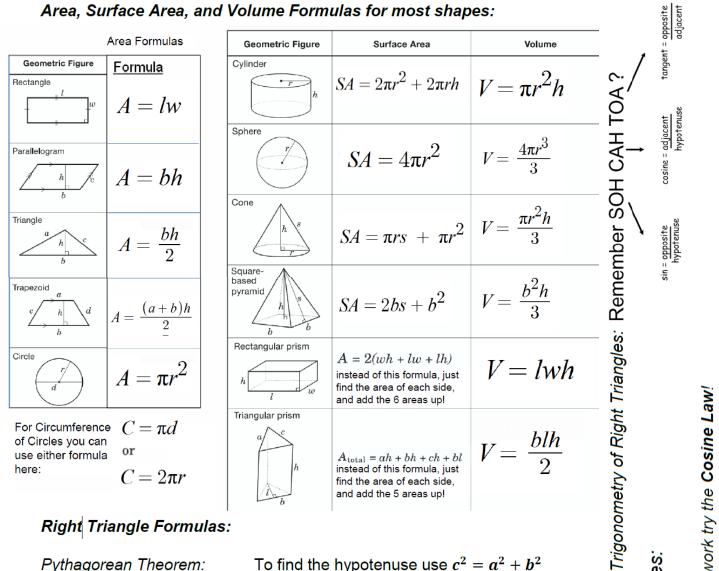
Area, Surface Area, and Volume Formulas for most shapes:



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: