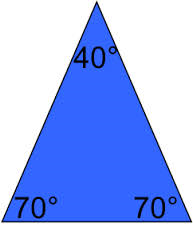
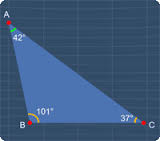
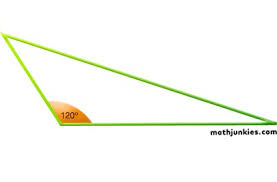
Lesson 13

Introduction to Triangles

Acute Triangle—all angles measures less than 90 degrees

Obtuse Triangle— one angle measures less than 180 but greater than 90 degrees

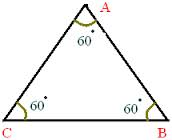
[](http://www.google.com/imgres?imgurl=http://www.mathexpression.com/image-files/obtuse-triangle-example.png&imgrefurl=http://www.mathexpression.com/obtuse-triangle.html&h=177&w=200&tbnid=nZC2eus9mDZZ4M:&zoom=1&docid=xRwCCXhIw399IM&ei=wAAWVK3WIZb9oQSy_YH4Bg&tbm=isch&ved=0CFkQMygeMB4&iact=rc&uact=3&dur=978&page=3&start=21&ndsp=16)[](http://www.google.com/imgres?imgurl=http://www.mathjunkies.com/mathjunkies/Data/Obtuse%20Triangle/obtuse%20triangle_branded.jpg&imgrefurl=http://geovisualdic.blogspot.com/2012/10/obtuse-triangle.html&h=266&w=405&tbnid=0Bu-CAXBJqdMdM:&zoom=1&docid=56VwQ9_bWF0RYM&ei=wAAWVK3WIZb9oQSy_YH4Bg&tbm=isch&ved=0CEMQMygQMBA&iact=rc&uact=3&dur=2681&page=2&start=8&ndsp=13)

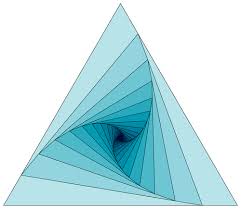
Right Triangle—measures 90 degrees

[](https://www.google.com/search?biw=1093&bih=539&tbm=isch&q=right+triangle+in+real+life&revid=1464597417)Yum!!

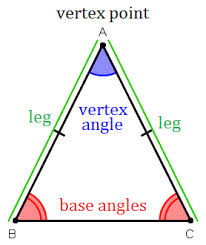
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[](https://www.google.com/search?biw=1093&bih=539&tbm=isch&q=equiangular+triangle+real+life+examples&revid=1542193916)Equiangular Triangle—All three angles are equal in measure



[](http://www.google.com/imgres?imgurl=http://i.stack.imgur.com/L7RUW.png&imgrefurl=http://math.stackexchange.com/questions/44896/the-vertices-of-an-equilateral-triangle-are-shrinking-towards-each-other&h=435&w=500&tbnid=i4D8Rm-4ZJF97M:&zoom=1&docid=flW1a2JB-xZTaM&ei=rwIWVMvXMtjYoATz0oH4Bg&tbm=isch&ved=0CIABEDMoRzBH&iact=rc&uact=3&dur=1634&page=6&start=71&ndsp=15)Equilateral Triangle—all three sides are equal in measure

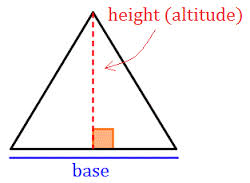
Isosceles Triangle—two sides are equal in measure



Scalene Triangle—no sides are equal in measure



Parts of the Triangle



Vertex—One of the points where two sides of the triangle intersect

**Base**—Can be any one of the triangle’s sides

Heightz—perpendicular segment from the vertex to the line containing the opposite side.

Area of a Triangle

A=1/2BH where A =Area

B=Base

H=Height