If we take an equilateral (and equiangular) triangle and split it into two triangles, what are the dimensions? 2 2 2  $2^{-2}$ 

2





Recall last chapter when we proved that we could bisect an isosceles triangle into two congruent right triangles

 $1^2 + h^2 = 2^2$ 

Using the Pythagorean Theorem

 $h = \sqrt{3}$ 

 $h^2 = 3$ 



The 30-60-90 Triangle Theorem (pg 370) states what you see below











