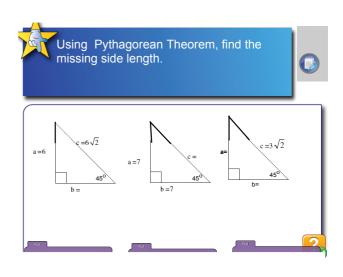
	Geometry Agenda
	check last night's HW/collect
	Objective - Identify and use the ration
	involved with an isosceles right triangle
	(45-45-90 triangle) and a (30-60-90
	triangle)
	HW - Special Right Triangles workshee
	1
_	

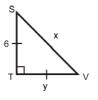


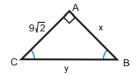
Drag the magnifying glass over the triangle to see the relationship between the sides of a 45-45-90 triangle.

45-45-90 Corollary: If a triangle is an isosceles right triangle, then its sides are in the extended ratio:

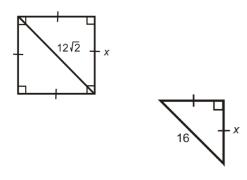
(where the hypotenuse is always because that is the longest length)

Find the missing side lengths.





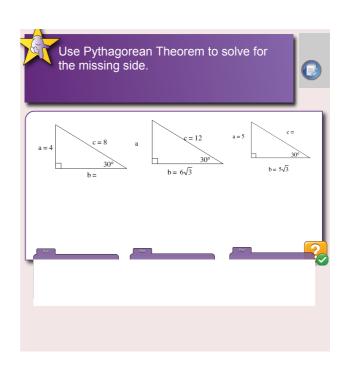
Find the missing side lengths.

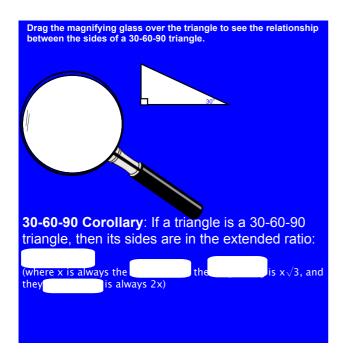


We need to rationalize the denominator in this case (do not leave a radical in the denominator)

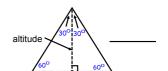
Determine the length of the leg of a 45-45-90 trinagle with a hypotenuse of 26.

	nfortable are you using the
x: x: x	2 ratio to solve missing
sides on	an isosceles right
triangle?	?
Thur	nbs up, down, or to the side
	•

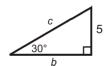


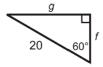


A 30-60-90 triangle is really half of an equilateral triangle.

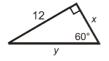


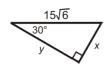
Find the missing side lengths.





Find the missing side lengths.





What is the height of an equilateral triangle with side lengths of 3 inches?