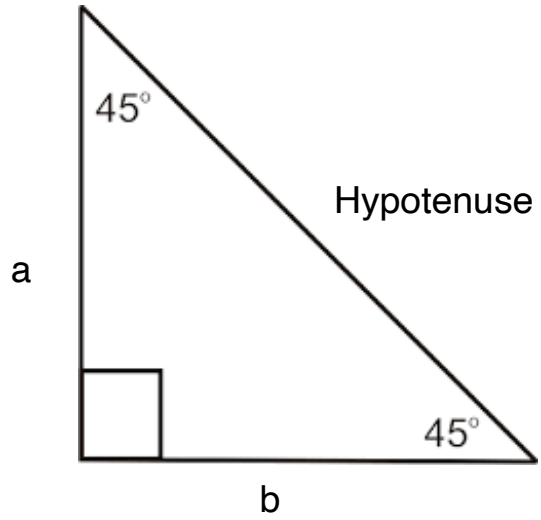
$45^o - 45^o - 90^o$ *Triangle*



Use the Pythagorean Theorem to find *h* (hypotenuse) in the following isosceles right triangles with the following side lengths. Simplify the square root, but leave in radical form.

Leg a	Leg b	Hypotenuse
1	1	
2	2	
3		
	4	
5		
n		

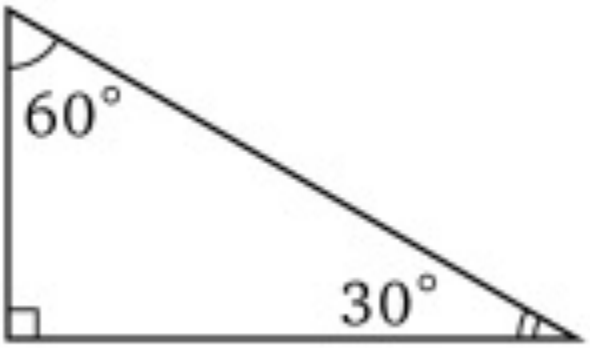
Write AT LEAST two observations you see in the chart above.

1. _____

2. _____

a b

$30^o - 60^o - 90^o$ *Triangle*



Use the Pythagorean Theorem to complete the following information about the right triangle formed by folding an equilateral triangle. Simplify the square root, but leave in radical form.

Leg a	Leg b	Hypotenuse
1		2
2		4
3		6
		8
5		
n		

Wr

1.

2. _____

Q

How to use Special Right Triangles to Solve for Sides