Name _____
Date _____
Period _____

EXIT TICKET: 45°-45°-90° SPECIAL RIGHT TRIANGLES!

Directions: Find the pattern of the special right triangle.

I. **Finding the hypotenuse** of a $45^\circ - 45^\circ - 90^\circ$ special right triangle.

Length of Leg	Hypotenuse	Sketch One Example/Show Work
2		
3		
4		
5		
6		
7		
100		

In your own words, how can you find the hypotenuse if you are only given the length of one leg?

II. **Finding the length of a leg**, given the hypotenuse of a $45^\circ - 45^\circ - 90^\circ$ special right triangle.

Length of Leg	Hypotenuse	Sketch One Example/Show Work
	2	
	4	
	6	
	10	
	$18\sqrt{2}$	
	$20\sqrt{2}$	
	$100\sqrt{2}$	

In your own words, how can you find the length of one leg, if you are only given the length of the hypotenuse?

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