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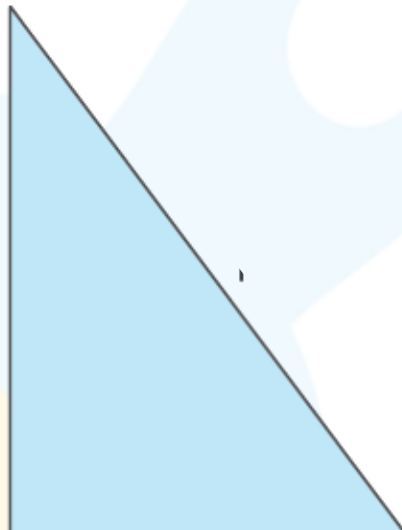
## Triangle Inequality Theorem Worksheets

Check if the given three lengths can be measure of the sides of the triangle.

1) 28in, 45in, 53in

2) 39 ft, 80ft, 31ft

3) 48 yd, 73yd, 55yd



4) 15in, 44in, 65in

5) 36ft, 75ft, 85ft

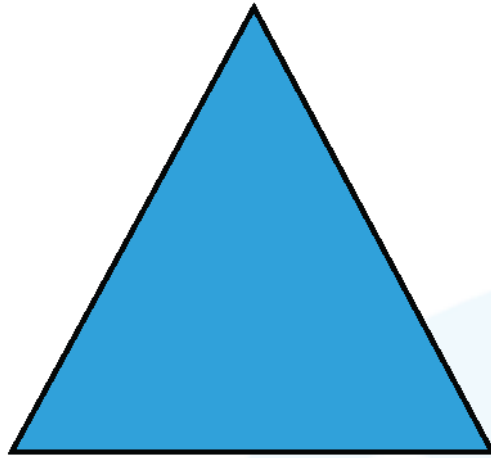
If the measure of the length of the two sides of the triangle are given, find the possible range of the length of the third side(x) of the triangle.

6) 39 ft, 73 ft

7) 28 in, 53 in

8) 97 ft, 48ft

9) 9 ft, 16ft



10) 123 in, 356 in

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in an interesting way,  
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## Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

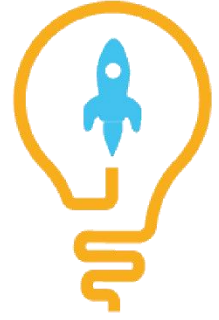
- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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**ANSWERS**

1)	Possible
2)	Not possible
3)	Possible
4)	Not possible
5)	Possible
6)	$34 < x < 112$
7)	$25 < x < 81$
8)	$49 < x < 145$
9)	$7 < x < 25$
10)	$233 < x < 479$