

Name:		Class:	
	Triangle inequality		

	ra b :		n t	ria	ang	le	W	/ith	n le	ng	ths	a,	b a	and	C,	a, I	э а	nd	c aı	re t	he	sic	le le	eng	gth	s if	and	d o	nly	if
1.	Sta 9 , !				hr	ee	n	um	nbe	ers	giv	en.	be	low	/ Ca	an l	эе	the	sic	le l	eng	gth	s o	f a	tria	ang	le.			
2.	Sta 7, 5			e t	hr	ее	n	um	nbe	ers	giv	en.	be	low	/ Cã	an I	эе	the	sic	le l	eng	gth	s o	f a	tria	ang	le.			
3.	Sta 17 ,				hr	ee	n	um	nbe	ers	giv	en	be	low	/ Ca	an I	эе	the	sic	le l	eng	gth	s o	f a	tria	ang	le.			
4.	Sta 3 , 1			e t	:hr	ee	n	um	nbe	ers	giv	en	be	low	/ Ca	an I	ое	the	sic	le l	eng	gth	s o	fa	tria	ang	le.			
5.	Sta 7, 1			e t	hr	ee	n	um	nbe	ers	giv	en	be	low	/ Ca	an l	ое	the	sic	le l	eng	gth	s o	f a	tria	ang	le.			
6.	Sta 13 ,				hr	ee	n	um	nbe	ers	gi\	⁄en	be	low	/ Ca	an I	ое	the	sic	le I	eng	gth	s o	f a	tria	ang	le.			
7.	Sta 7 , 7			e t	hr	ее	n	um	nbe	ers	giv	en	be	low	/ Ca	anJ	ое	the	sic	le l	eng	gth	s o	f a	tria	ang	le.			





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	or a given triangle +b > c	with lengths a	, b and c, a, b a	and c are the side I	engths if and only if										
1.	State if the three 9, 5 and 4	numbers giver	n below can be	the side lengths o	f a triangle.										
a ▶ S	tep 1: Put the three = 4, b = 5 and tep 2: Check whet ince 4+5=9, it is no	c =9 ther a+b > c		side leng	e numbers are not the oths of a triangle. re, the answer is:										
2.	The answer is:	YES			NO										
3.	The answer is:	YES													
4.	The answer is:	NO													
5.	The answer is:	YES													
6.	The answer is:	NO													
7.	The answer is:	YES													