56	Standardized Test Prep Inequalities in One Triangle			
5-0				
Multiple Cho	oice			
For Exercises	l–6, choos	se the correct letter.		
1. Which of the	ne followi	ng could be lengths of	sides of a triangle?	
A 11, 15,	27	B 13, 14, 32	C 16, 19, 34	D 33, 22, 55
2. $\triangle ABC$ has $m \angle C = 20$	the follow). Which l	ving angle measures: <i>r</i> ists the sides in order f	$m \angle A = 120, \ m \angle B = 4$ from shortest to longest	10, and ?
$(F) \ \overline{CB}, \ \overline{BA}, \ \overline{AC}$			$(H) \overline{AC}, \overline{BA}, \overline{CB}$	
$\bigcirc \overline{BA}, \overline{AC}, \overline{CB}$			$\bigcirc \overline{CB}, \overline{AC}, \overline{BA}$	
3. $\triangle RST$ has lists the an	the follov gles in oro	ving side lengths: <i>RS</i> = ler from smallest to lar	= 7, <i>ST</i> = 13, and <i>RT</i> = rgest?	= 19. Which
$\textcircled{A} \angle R, \angle S, \angle T$			$\bigcirc \ \angle S, \angle T, \angle R$	
$\textcircled{B} \angle T$, \angle	$_S, \angle R$		$\textcircled{D} \angle T, \angle R, \angle S$	
4. A triangle has side lengths 21 and 17. Which is a possible length for the third side?				
F 2		G 4	H 25	1 39
5. Look at $\triangle LMN$. Which lists the angles in order from the smallest to the largest?				
\bigcirc $\angle L$, \angle	$\angle M$, $\angle N$		\bigcirc $\angle N$, $\angle M$, $\angle L$	7 7.1
\bigcirc $\angle M$, \angle	igtriangle M, $igtriangle N$, $igtriangle L$		$\bigcirc \ \angle M, \angle L, \angle N$	N
6. Algebra What are the possible lengths for <i>x</i> , the third side of a triangle, if two sides are 13 and 7?				
(F) $6 < x$	< 20	G 7 < <i>x</i> < 13	$\textcircled{H} 6 \leq x \leq 20$	$\bigcirc 7 \le x \le 13$
Short Respo	nse			
7 . What is the	e relations	hip between <i>a</i> and <i>y</i> ? I	Explain.	x°
			<u>/ / / / / / / / / / / / / / / / / / / </u>	<u>\</u> _

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