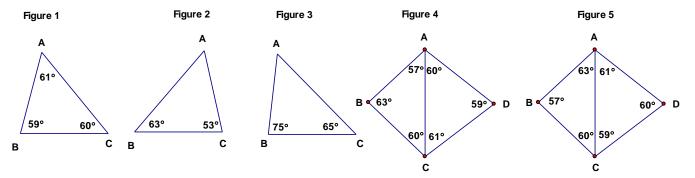
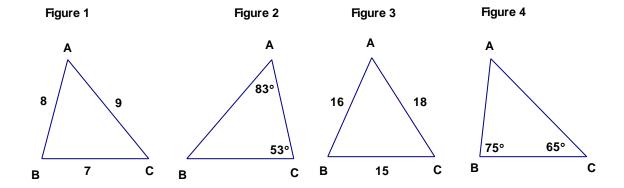
Geometry Chapter 5 Practice Test 1

Nar	me					
State if the following measurements could be the side lengths of a triangle with YES or NO.						
	1. 2, 8, 1	2. 4,	4, 4	3.	2, 6, 10	
	4. 1, 1, 7	5. 3,	4, 6	6.	10, 5, 4	
	7. 8, 8, 15	8. 7,	4, 7	9.	3, 3, 6	
	10. 1, 2, 3	11. 5, :	5, 5	12.	1, 18, 10	
13. In $\triangle ABC \angle A = 3x + 50$, $\angle B = 4x$, and $\angle C = 4x + 20$. Determine the longest and shortest side of $\triangle ABC$. Longest = Shortest =						
14. In $\triangle ABC$ $\angle A = 32x - 2$, $\angle B = 29x + 2$, and $\angle C = x + 56$. Determine the longest and shortest side of $\triangle ABC$. Longest = Shortest =						
15. In $\triangle ABC$ $\angle A = x + 50$, $\angle B = 7x - 40$, and $\angle C = 2x + 30$. Determine the longest and shortest side of $\triangle ABC$. Longest = Shortest =						
16.	If two sides of a triangle A. $4 < m > 10$					-
17.	If two sides of a triangle A. $1 < m < 15$	have the measurents. $1 \le m \le 15$	nents of 8 and C. 7< m < 8		l the third le None of the	
18.	If two sides of a triangle A. $1 < m < 18$	have the measurents. $0 \le m \le 18$			l the third le None of the	_
19.	If two sides of a triangle A. $1 < m < 1$		ments of 1 and C. $0 < m < 2$			-
20.	In $\triangle ABC$ A = (1, 1), B	= (5, -1), and C = (9, -1)	9, 2). Which a	ngle is larges	t?	_

21. In $\triangle ABC$ A = (4, 1), B = (6, 8), and C = (7, 3). Which angle is largest?



- 22. In Figure 1 above, what side is the longest side?
- 23. In Figure 2 above, what side is the longest side? _____
- 24. In Figure 3 above, what side is the longest side? _____
- 25. In Figure 4 above, what side is the longest side?
- 26. In Figure 5 above, what side is the longest side?



- 27. Which angle is the largest angle in figure 1 above?
- 28. Which side is the longest side in figure 2 above? _____
- 29. Which angle is the largest angle in figure 3 above?
- 30. Which side is the longest side in figure 4 above? _____
- 31. Which set of numbers could be a measure of the sides of a triangle? _____
 - A. 2, 4, 2
- B. 20, 4, 15
- C. 4, 6, 1
- D. 5, 7, 5