



HW: GM7 p. 684 (2-40 even, omit 26) & Complete Lesson 11 Activity in Notes

Name:

_ Date: _____ Sections 12-1C & Lesson 11

Ex. 3: Draw a triangle with the given specifications. Then, classify each triangle according to its sides and angles. **B.** One right angle and no congruent sides **A.** Three congruent angles and three congruent sides







Lesson 11: Homework Activity

Problem 1: Complete the tables by writing YES or NO in the spaces below.

A. Determine whether the lengths form a triangle.

	Side 1	Side 2	Side 3	Form a triangle?
1.	6 cm	8 cm	10 cm	
2.	8 cm	8 cm	13 cm	
3.	4 cm	8 cm	15 cm	
4.	4 cm	6 cm	8 cm	
5.	6 cm	4 cm	10 cm	
6.	10 cm	4 cm	13 cm	
7.	8 cm	10 cm	15 cm	
8.	6 cm	8 cm	15 cm	
9.	8 cm	4 cm	13 cm	
10.	13 cm	10 cm	15 cm	

B. Det	ermine wh	ether the a	ngles form a	a triangle.
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	Angle 1	Angle 2	Angle 3	Form a triangle?
1.	30°	60°	90°	
2.	30°	45°	60°	
3.	45°	45°	90°	
4.	43°	35°	102°	
5.	27°	99°	55°	
6.	90°	31°	59°	
7.	50°	60°	60°	
8.	50°	60°	70°	
9.	25°	25°	105°	
10.	120°	40°	10°	

Problem 2: Answer the following questions in complete sentences.

A. Using Problem 1A compare the sum of two sides to the length of a third side. Describe any patterns found.

B. Using Problem 1B compare the sum of the angle measures. Describe any patterns found.