

Name:

Date:

Class Period:

Unit 4 Mid-Unit Study Guide

1. Complete the table below.

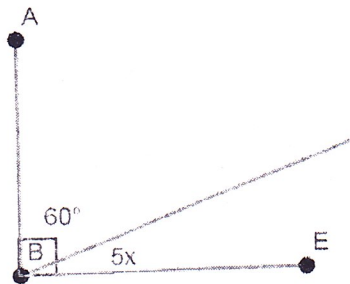
Type of Angle or Triangle	Attributes of this Figure	Draw a picture representation.
Complementary angles		
Supplementary angles		
Vertical angles		
Straight angle		
Right angle		
Isosceles Triangle		
Right Triangle		
Scalene Triangle		
Acute Triangle		

2. Name three lengths that CAN make a triangle: _____
Why do these lengths create a triangle?

3. Name three lengths that WILL NOT make a triangle: _____
Why do these lengths NOT create a triangle?

4. If an isosceles triangle has only one 30° angle, what are the measures of the other two angles?

5. What is the value of x in the figure below:



Use the diagram below to answer questions 6-8.

6. measure of angle

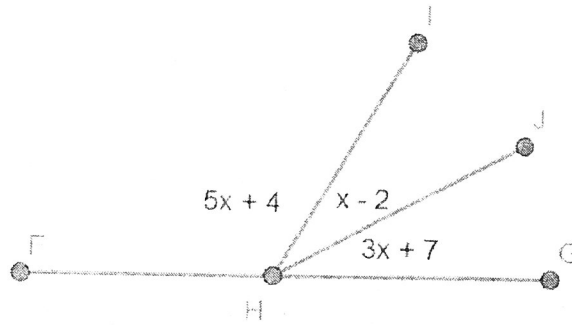
FHI = _____

7. measure of angle

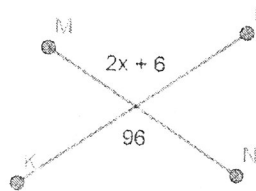
IHI = _____

8. measure of angle

JHG = _____



9. What is the value of x in the figure below?



10. Using a protractor and a ruler, draw an isosceles triangle with only one 90° angle.