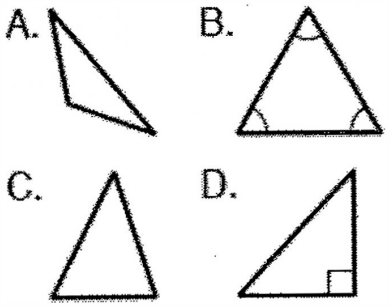
Identifying Triangles

Name:_____

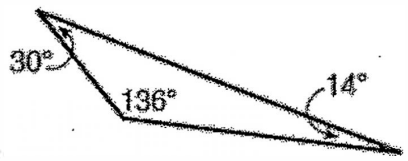
9th Grade Math

Match the letter of the figure to the correct word.

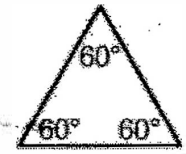
1. right triangle _____
2. obtuse triangle _____
3. acute triangle _____
4. equiangular triangle _____



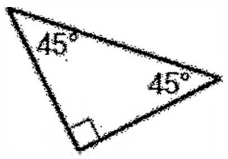
Put letters on the triangles and name them. Then classify the triangles by their angles.



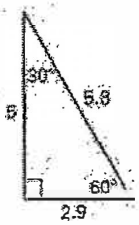
5. _____



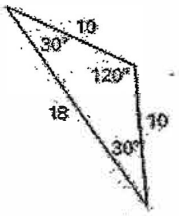
6. _____



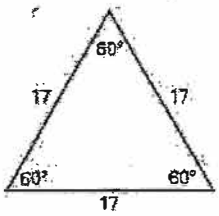
7. _____



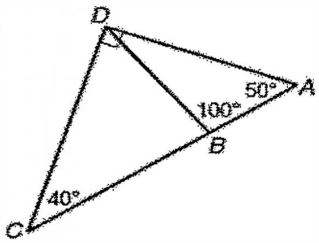
8. _____



9. _____



10. _____



11. △ABD _____

12. △ADC _____

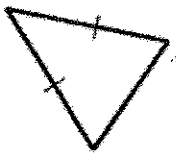
13. △BCD _____

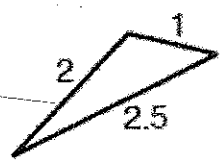
14. An isosceles triangle has _____ congruent sides.

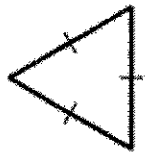
15. An _____ triangle has three congruent sides.

16. A _____ triangle has no congruent sides.

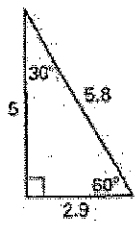
Put letters on the triangles and name them. Then classify the triangles by their sides.

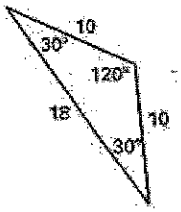


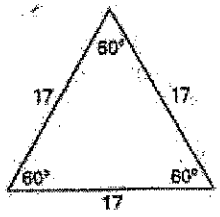




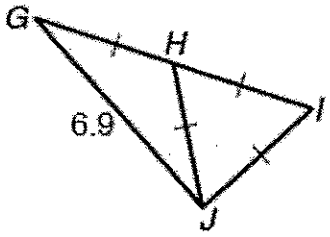
17. _____ 18. _____ 19. _____







20. _____ 21. _____ 22. _____



23. △GHJ _____

24. △IHJ _____

25. △GIJ _____

Name: _____

Date: _____

"Worksheet: Identifying Types of Triangles"

PART I: Match the name of the triangle with the triangle shown.

_____Isosceles

_____Equilateral

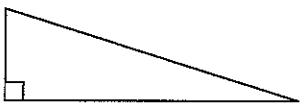
_____Scalene

_____Acute

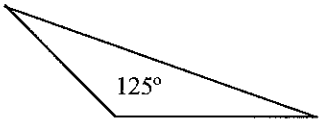
_____Right

_____Obtuse

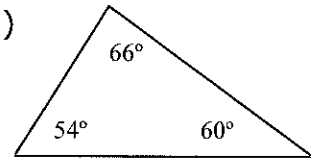
A)



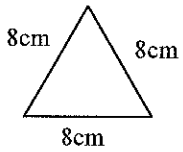
B)



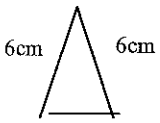
C)



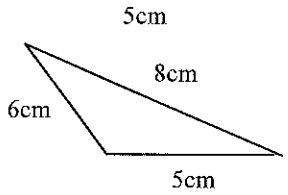
D)



E)



F)



Part II: Use the information above to answer the following:
If you were given the measurements of the angles and the sides of the triangles above, what two labels can you give to each triangle below?

Triangle A _____ _____

Triangle D _____ _____

Triangle E _____ _____

Triangle F _____ _____

PART III: Identify the type of triangle based on the following information

- A triangle with all sides and angles congruent_____
- A triangle with no sides congruent_____
- A triangle with one angle 91°_____
- A triangle with angles 103°, 20°, 57°_____
- A triangle with sides 11cm, 15cm, 11cm _____

PART IV: Design a right triangle that is also scalene. Do this design without using a protractor and only with a ruler.

NAME _____

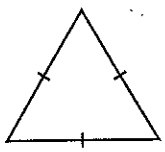
Lesson 10.7 Triangles (by side)

Triangles can be classified by the number of congruent (equal) sides that they have.

No two sides are congruent in a **scalene triangle**.

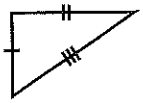
At least two sides are congruent in an **isosceles triangle**.

All three sides are congruent in an **equilateral triangle**.



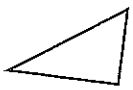
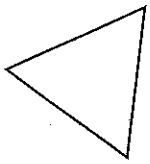
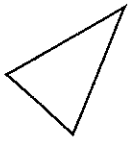
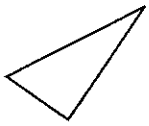
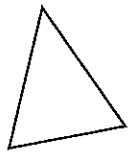
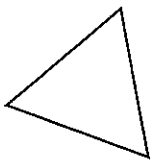
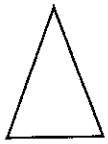
equilateral

isosceles



scalene

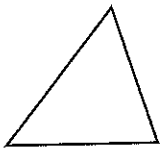
Use a ruler to measure each triangle. Write if it is equilateral, isosceles, or scalene.

	a	b	c
1.			
	_____	_____	_____
2.			
	_____	_____	_____
3.			
	_____	_____	_____

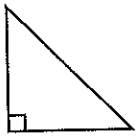
NAME _____

Lesson 10.6 Triangles (by angles)

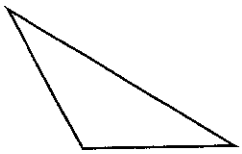
The sum of the measures of the angles of a triangle is always 180°. Two of the angles are always acute. The triangle can be classified by the measure of the third angle as **right**, **acute**, or **obtuse**.



acute triangle
All angles are less than 90°.

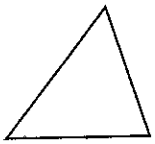
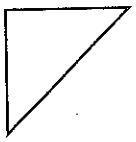
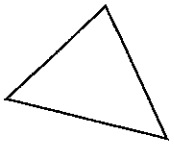
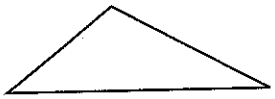
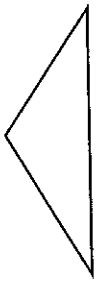
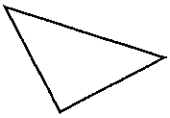
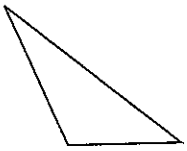
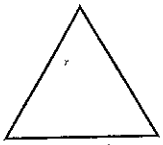
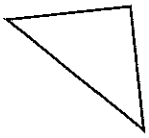
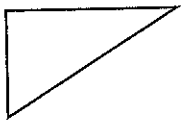
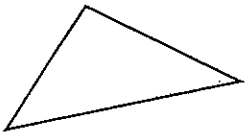


right triangle
One angle is 90°.



obtuse triangle
One angle is more than 90°.

Write whether each triangle is acute, right, or obtuse.

	a	b	c
1.	 _____	 _____	 _____
2.	 _____	 _____	 _____
3.	 _____	 _____	 _____
4.	 _____	 _____	 _____