

Use pages 133 Honors, 178-179 Regular
Classify Triangles by side lengths:

1. How many sides are congruent?

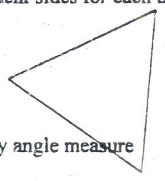
- In an isosceles triangle _____
- In an equilateral triangle _____
- In a scalene triangle _____

2. How many angles are congruent? (hint - your answers will be the same as #1)

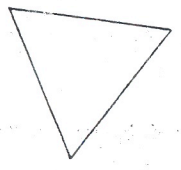
- In an isosceles triangle _____
- In an equilateral triangle _____
- In a scalene triangle _____

3. Mark the congruent sides for each triangle:

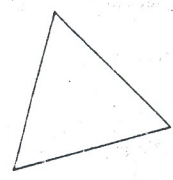
Isosceles



equilateral



scalene

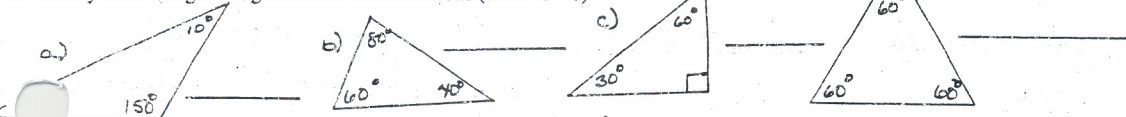


Classify Triangle by angle measure

Define:

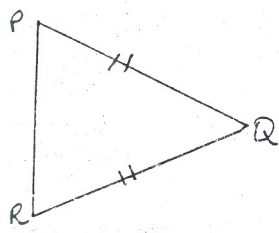
- 5. Right triangle
- 6. Acute triangle
- 7. Obtuse triangle
- 8. Equiangular triangle

9. Identify each triangle using the above classifications (from #5 - 8)



10. Given: Isosceles triangle PQR (using the diagram to the right)

- Name the legs _____, _____
- Name the base _____
- Name the vertex angle \angle _____
- Name the base angles \angle _____, \angle _____



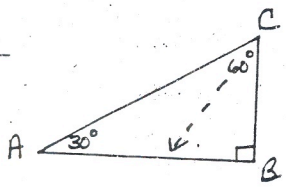
11. Use right scalene triangle ABC:

- Name the legs _____, _____
- What is side AC called? _____

Which side is the longest side? _____

Which side is opposite of:

- $\angle B$ _____
- $\angle C$ AB
- $\angle A$ _____



Which side is the shortest side? _____

Why? Rule: The shortest side of any triangle is opposite of the _____

Write a rule for the longest side: The longest side of any triangle is opposite of the _____

12. Use scalene triangle PQR:

Which angle is opposite of:

- \overline{PQ} _____
- \overline{QR} _____
- \overline{PR} $\angle Q$

Which angle is the largest angle? \angle _____ Which angle is the smallest angle? \angle _____

Write a rule for the largest angle: The largest angle of any triangle is opposite of the _____

Write a rule for the smallest angle: _____

