

Geometry: Triangles

Name: _____

Date: _____ Score: _____

UNIT TOPICS

- * Classify triangles by sides (scalene, isosceles, equilateral)
- * Classify by angles (acute, right, obtuse)
- * Triangle angle sum = 180 degrees

PRACTICE PROBLEMS - Show all work

1. A triangle has angles 60, 60, 60 degrees. Classify it by sides: ____
2. A triangle has sides 3, 4, 5. Classify by sides: ____
3. Find the missing angle: $45 + 90 + \underline{\hspace{1cm}} = 180$
4. Find the missing angle: $72 + 63 + \underline{\hspace{1cm}} = 180$
5. A triangle has all angles less than 90 degrees. Classify by angles: ____
6. Can a triangle have two obtuse angles? Explain.
7. Perimeter of a triangle with sides 6, 8, 10: ____
8. An equilateral triangle has one side = 7. Perimeter = ____
9. True or False: A right triangle can also be isosceles. ____
10. Draw a right isosceles triangle and label all angles.

TEACHER ANSWER KEY - Geometry: Triangles

Answers (accept equivalent responses and correct reasoning):

1. [Grade based on correct application of concept taught this week]
2. [Grade based on correct application of concept taught this week]
3. [Grade based on correct application of concept taught this week]
4. [Grade based on correct application of concept taught this week]
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