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| Date | Topic/Objective: Right Triangles |  |
| Essential Question: What relationship exists between the length of the hypotenuse and the length of the legs? |
|  | **Quick Write:**What relationship exists between the length of the hypotenuse and the length of the legs?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_In a \_\_\_\_\_\_\_\_\_\_\_ triangle, the \_\_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(the side opposite to the right angle) is equal to the \_\_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_\_ of the other two sides.You try!A \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a set of positive integers, a, b, and c that satisfy the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.Hypothesize if multiples of Pythagorean triples are still Pythagorean Triples.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_If the \_\_\_\_\_\_\_\_\_\_\_\_\_ of one side of a triangle is equal to the \_\_\_\_\_\_\_\_ of the \_\_\_\_\_\_\_\_\_\_\_ of the other two sides, then the triangles is a \_\_\_\_\_\_\_\_\_\_ triangle.You try!Using the Pythagorean Theorem, how can you tell if the triangle is acute or obtuse?If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the triangle is a \_\_\_\_\_\_\_\_\_ triangle.If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the triangle is an \_\_\_\_\_\_\_\_\_ triangle.If \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, then the triangle is an \_\_\_\_\_\_\_\_\_\_ triangle.Let’s PracticeClassify the triangle by the angle degree; right, acute, or obtuse.4, 5, 79, 10, 1212, 16, 20 |
| Summary: |