Triangle Classification

Name _____ **Group** _____

Directions: In this activity, you will practice testing triangles and determining classification by angle using side measurement.

1. For each, three measures are given. Determine if a triangle can be made using these measures as sides.

   A. { 1, 2, 3 } B.{ 60, 61, 11 } C. { 12, 7, 3 }

2. Each set of measures represent the sides of a triangle. Determine whether the triangle is obtuse, acute, or right.

   A. { 8, 15, 17 } B. { 2, 4, 3 } C. { 7, 8, 9 }

3. For each, three measures are given. Determine if a triangle can be made, and if so what is its classification.

   A. { 15, 12, 9 } B. { 2, 4, 5 } C. { 7, 10, 11 }

4. For each, measures of the short and medium side of a triangle and its classification are given. Determine possible measures for the third side.

   A. 5, 12 (right) B. 12, 16 (acute)

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