MasterMath

Name _____

Classifying Angles and Sides of Triangles

Date _____

1. Define an Acute Angle

An angle of less than 90°.

2. Define an Isoscelese Triangle

Two of the sides of the triangle are of equal length

3. Define an Isoscelese Right Triangle

2 of the sides are equal in length, and one of the angles is 90°

4. We know that two of the angles of a triangle are 65° and 75°. How many degrees are in the third angle?

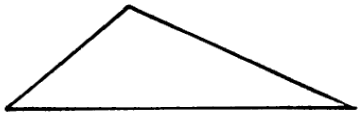
40°

5. Angles a and b are Complementary Angles. Therefore angle a is acute. True or False?

true

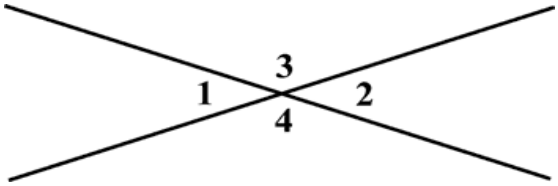
6. This is an example of what type of triangle?

Obtuse



7. Angle 2 is 28°. How big is Angle 3?

152°



8. The triangle has 2 obtuse angles and an acute angle. Is this possible?

No, it is not possible. An obtuse angle is > 90°. The sum of 2 obtuse angles would be > 180°. But a Triangle can have only 180°, so no triangle has 2 obtuse angles.

9. Angle 2 is 60°. How many degrees are in Angle 1?

120°