12.1 The Language of Geometry



- <u>plane</u> can be thought of as flat surfaces that extend <u>infinutely</u> in all directions and have no <u>thickness</u> (think of a floor or wall)
 - named by a <u>Capital</u> <u>cursive</u> letter or by three points <u>not in a line</u> on the plane



Example 1

Name the angles in the diagram.

You should only name an angle by a <u>single</u> letter when there is no chance of confusion.

How do we measure angles? DEGREES!! How to Use a Protractor:

1. Place the center of the protractor on the vertex of the angle with the straightedge along one ray.

2. Use the scale that begins with 0 at the straightedge. Read where the ray crosses this scale.

CLASSIFYING ANGLES

ARight

Obtuse

m∠A is between 0° and 90° m∠A = 90°

m∠A is between 90° and 180°

m∠A = 180°

12.1 The Language of Geometry (Part 2).notebook