

Geometry

Goal: The learner will understand and use properties and relationships of geometric figures in the coordinate plane.

Objective:

3.01 Identify and describe the intersection of figures in a plane.

To achieve this objective, students should:

- Understand and know that two different lines in a plane either intersect or are parallel:
 - perpendicular lines intersect at a 90° angle
 - other pairs of intersecting lines form vertical, straight, and supplementary angles.
- Understand and identify common points, line segments, rays, angles, lines, and areas that two intersecting plane figures create/contain.
- Draw or describe a path of shortest length between points to solve problems in context.
- Understand and know that the intersection of figures and/or lines in a plane create interior and exterior regions and/or angles.