

Geometry

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

Objective:

3.04 Solve problems involving geometric figures in the coordinate plane.

To achieve this objective, students should:

- Understand that the rectangular coordinate plane consists of two axes (number lines) of infinite length and four quadrants of infinite area.
- Identify and graph ordered pairs in a rectangular coordinate plane.
- Identify relationships of plotted points and the quadrants/axis which contain them.
- Represent geometric figures using ordered pairs in a rectangular coordinate plane.
- Identify the point of intersection of two or more geometric figures in a rectangular coordinate plane.
- Solve problems involving coordinate pairs on the rectangular coordinate system