

UNIT 1 - LESSON PLANS

Class Geometry **Topic** Midpoint and Distance in the Coordinate Plane **Lesson** 7 **Of** 9

Students will:

Objective

- Be able to calculate midpoint and distance from two endpoints of a line segment both on and off of the coordinate plane.

"I Can" Statement I can calculate midpoint and distance from two endpoints of a line segment both on and off of the coordinate plane.

Common Core Standards

CCSS.MATH.CONTENT.HSG.CO.C.9
Prove theorems about lines and angles. Theorems include: vertical angles are congruent; when a transversal crosses parallel lines, alternate interior angles are congruent and corresponding angles are congruent; points on a perpendicular bisector of a line segment are exactly those equidistant from the segment's endpoints.
CCSS.MATH.CONTENT.HSG.GPE.B.7
Use coordinates to compute perimeters of polygons and areas of triangles and rectangles, e.g., using the distance formula.*

Bell Work See Bell Work 1-7

Procedures

1. Start and lead student discussion related to the bell work.
2. Distribute the Guided Notes
3. Present lesson or play a video lesson.
4. Use an Online Activity if time permitted.
5. Distribute Lesson Assignment.

Assessment

Bell Work 1-7
Assignment 1-7
Exit Quiz 1-7

Additional Resources See Online Activities