

UNIT 5 - LESSON PLANS

Class Algebra 1

Topic U5– Point-Slope Form

Lesson 4 **Of** 8

Students will:

Objective

- Be able to understand the concept of point-slope form of a linear equation.
- Be able to represent any line using point-slope form.

“I Can” Statement

I can represent any line using point-slope form.

Common Core Standards

[CCSS.MATH.CONTENT.8.EE.B.5](#)

Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed

[CCSS.MATH.CONTENT.8.EE.B.6](#)

Use similar triangles to explain why the slope m is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b .

Bell Work

See 5-4 Bell Work

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.

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Assessment

Bell Work 5-4

Assignment 5-4

Exit Quiz 5-4

Additional Resources

See Online Activities