

Topic: UNIT 5 WRITING LINEAR EQUATIONS

Days: 19

Subject(s):

Grade(s):

Know:

Understand:

Do:

<p>Key vocabulary</p> <p>Slope-Intercept Form</p> <p>Point-Slope</p> <p>Standard Form</p> <p>Equations for Parallel and Perpendicular Lines</p> <p>Fit a Line to Data</p> <p>Predict with Linear Models</p>	<p>Graphing and the various forms creating a line and how to interpret the information from the line.</p>	<p>Write a linear equation given the slope and intercept</p> <p>Write a linear equation when given two points</p> <p>Graph and write equations of parallel and perpendicular lines.</p> <p>Graph a linear equation using two points</p>
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Which standards are students learning in this unit?

MA.912.A.3.7: Rewrite equations of a line into slope-intercept form and standard form.

MA.912.A.3.8: Graph a line given any of the following information: a table of values, the x- and y-intercepts, two points, the slope and a point, the equation of the line in slope-intercept form, standard form, or point-slope form.

MA.912.A.3.10: Write an equation of a line given any of the following information: two points on the line, its slope and one point on the line, or its graph. Also, find an equation of a new line parallel to a given line, or perpendicular to a given line, through a given point on the new line.

MA.912.A.3.11: Write an equation of a line that models a data set, and use the equation or the graph to make predictions. Describe the slope of the line in terms of the data, recognizing that the slope is the rate of change.

MA.912.A.3.12 Graph a linear equation or inequality in two variables with and without graphing technology. Write an equation or inequality represented by a given graph.