

Topic: UNIT 4 GRAPHING LINEAR EQUATIONS and FUNCTIONS

Days: 17

Subject(s):

Grade(s):

Key Learning: Graphing, Solving, and applying properties of Linear Equations and Functions in Slope-Intercept Form and Real-World Situations.



Unit Essential Question(s): How does plotting a graph and function and interpreting the slope of the line predict a solution to a real world situation ?

<p>Concept: Graphing</p>	<p>Concept: Algebraic</p>	<p>Concept: Functions</p> <p>Students will represent functions in tables and graphs</p>
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<p>Lesson Essential Question(s): How do you plot points in a coordinate plane? (A)</p> <p>How do you transform graphs in the coordinate plane (A)</p> <p>How do you use intercepts to graph an equation? (A)</p> <p>How do you graph linear equations and interpret the solutions? (A)</p> <p>How do you graph an equation of a line using the slope-intercept form? (A)</p>	<p>Lesson Essential Question(s): How do you compute the slope, or rate of change, and intercept for the equation of a line? (A)</p>	<p>Lesson Essential Question(s): How do you represent functions as tables and rules? (A)</p> <p>How do you represent functions as graphs? (A)</p> <p>How do you determine whether a relation shown in a table or a graph is a function? (A)</p>
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<p>Vocabulary: quadrant, standard form of a linear equation, linear function, x-intercept, y-intercept, slope, rate of change, slope-intercept form, parallel, direct variation, constant of variation, function notation, family of functions, parent linear function</p>	<p>Vocabulary: slope, rate of change</p>	<p>Vocabulary: Function, domain, range, relation, independent and dependent variable</p>
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Additional Information:
Unit 4 sections 1.6, 1.7 (preview) then 4.1, 4.2, 4.3, 4.4, 4.5, 4.6, 4.7.

Attached Document(s):

Vocab Report for Topic: UNIT 4 GRAPHING LINEAR EQUATIONS and FUNCTIONS
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Concept: Graphing

quadrant, standard form of a linear equation, linear function, x-intercept, y-intercept, slope, rate of change, slope-intercept form, parallel, direct variation, constant of variation, function notation, family of functions, parent linear function -

Concept: Algebraic

slope, rate of change -

Concept: Functions

Function, domain, range, relation, independent and dependent variable -